ELSEVIER

Forensic Science International 138 (2003) XXI–XXVI

Forensic Science International

www.elsevier.com/locate/forsciint

Author index

(2003)

Akisu, V. **135**, 226
Abu-Ragheib, S. **135**, 129
Adalian, P. **132**, 49
Adams, Z.J.O. **138**, 50
Adou Bryn, K.D. **137**, 52
Afacan, I. **136**, 16
Ağritmiş, H. **131**, 36
Aguilera, B. **135**, 213
Akgür, S.A. **133**, 136
Aksoy, U. **135**, 226
Alakoç, Y.D. **137**, 141
Al-Amri, A.M. **135**, 16
Albarrán, C. **134**, 46
Albek, E. **132**, 211
Albrecht, K. **137**, 41
Albuquerque, T.K. **132**, 223
Alempijevic, D. **134**, 81
Ali, H.S. **135**, 16
Allen, H. **131**, 184
Almasad, J.K. **135**, 129
Al-Nsour, T. **135**, 129
Alonso, A. **134**, 46
Alt, K.W. **137**, 188
Althaus, L. **134**, 142
Altunbaş, S. **135**, 60
Alù, M. **131**, 85
Alunni-Perret, V. **134**, 36; **137**, 13
Álvarez, S. **134**, 46
Alves, C. **134**, 126, 172; **135**, 150
Amin, A. **132**, 9
Amorim, A. **134**, 126, 172; **135**, 150, 158
Andersson, L. **132**, 18
Andrade, D. **137**, 67
Andrade, L. **134**, 29
Anghel, A. **131**, 218
Anglada, F. **131**, 171; **132**, 139
Anjos, M.-J. **134**, 29
Aoki, S. **133**, 107
Arado, M.G. **133**, 152
Aranda, J.V. **132**, 233
Arao, T. **133**, 107
Archer, M.S. **132**, 173
Arican, N. **136**, 16
Aşıcıoğlu, F. **132**, 201
Ashton, K.J. **134**, 99
Asirdizer, M. **136**, 16
Asmussen, G. **132**, 117
Augustin, C. **132**, 76
Auwärter, V. **131**, 90
Ávila, S. **133**, 95
Avila, S. **137**, 67
Azaroual, N. **133**, 132
Azeddoug, H. **132**, 82
Azparren, J.E. **137**, 55

Bachus, R. **133**, 39
Badonia, B. **133**, 183
Baley-Wilson, J.E. **131**, 85
Ballantyne, J. **135**, 85; **136**, 58
Banaschak, S. **134**, 163
Banasr, A. **131**, 125, 131
Barać, L. **138**, 127
Barbati, G. **131**, 171
Barbera, N. **131**, 98
Barbosa, J. **134**, 126
Barksdale, L. **137**, 152
Barroso, M. **133**, 95
Bartels, H. **133**, 101
Bartsch, C. **137**, 147
Batziris, H. **134**, 154
Bauer, M. **136**, 76; **138**, 94
Beh, S.L. **137**, 165
Behnsen, S. **132**, 195
Beleza, S. **131**, 220; **134**, 172; **135**, 158
Bellini, R. **132**, 57
Bellis, C. **134**, 99
Below, E. **133**, 125
Ben Dhiab, M. **135**, 247
Bender, K. **137**, 188
Benecke, M. **137**, 152
Benítez-Páez, A. **135**, 158, 243; **136**, 86
Berardi, G. **134**, 219, 222
Berent, J. **137**, 94
Berger, B. **137**, 221
Bergström, J. **133**, 86
Berkowicz, A. **137**, 119
Bernadt, K. **133**, 63
Bernal, M. **137**, 67
Besacier, F. **132**, 182
Bezerra de Menezes, L.M. **137**, 209
Bhardwaj, D.N. **135**, 237
Bhattacharayya, C.N. **133**, 183
Bilge, Y. **137**, 141
Bin Khadem, R.K. **135**, 16
Bini, C. **135**, 48
Blackwell, S.A. **135**, 122
Blair, B. **134**, 99
Bockholdt, B. **137**, 60
Böhm, U. **137**, 41
Bohnert, M. **131**, 197; **135**, 197
Bolaños, M.J. **133**, 212
Bolaños, M.V. **133**, 212
Bonner Denton, M. **135**, 53
Bosch, E. **132**, 228
Bosman, I.J. **133**, 17
Botti, K. **137**, 52
Bourel, B. **135**, 27
Brandstätter, A. **137**, 221
Brandt-Casadevall, C. **135**, 247
Brassart, C. **133**, 57
Braun, M. **132**, 130, 177; **135**, 115; **137**, 203
Brehm, A. **135**, 239
Brehmer, C. **133**, 179
Breitmeier, D. **137**, 41
Brion, F. **131**, 125
Brion, M. **131**, 220
Broadhurst, R.G. **137**, 165
Brożek-Mucha, Z. **135**, 97
Børsting, C. **137**, 74
Brueschweiler, W. **132**, 177; **135**, 115
Bruneel, N. **133**, 159
Brunelle, A. **137**, 107
Brüschweiler, W. **132**, 130
Buchard, A. **137**, 74
Buckleton, J.S. **131**, 184; **135**, 1
Budowle, B. **131**, 218; **133**, 220
Bülent Üner, H. **132**, 113
Burger, J. **137**, 188
Burroughes, T.R. **137**, 28
Bustos, I. **136**, 83
Buttigieg, G.A. **135**, 53
Bydlowski, S.P. **135**, 67

Cai, Y. **132**, 225
Çakan, H. **132**, 113
Çakir, I. **132**, 211
Çakmak, M. Ali **135**, 226

doi:10.1016/S0379-0738(03)00475-4

Calì, F. **138**, 37
Calderara, S. **137**, 6
Callet, B. **135**, 27
Campos-Sánchez, R. **135**, 150
Cankat Tulunay, F. **132**, 233
Capelli, C. **131**, 59
Caplehorn, J.R.M. **134**, 154
Carbonez, A. **136**, 52
Cárdenas, H. **137**, 235
Cárdenas, M. **137**, 67
Carracedo, A. **131**, 220; **134**, 172, 180; **135**, 105, 150, 158; **136**, 83; **137**, 104, 217, 67
Carter, J. **133**, 113
Carter, J.F. **132**, 106
Cartigny, B. **133**, 132
Carvalho, M. **134**, 29; **135**, 150
Casanova, A.E. **131**, 214
Castanheira, F. **133**, 95
Castella, V. **135**, 247
Castro, A. **135**, 158
Ceccardi, S. **135**, 48
Çelebioğlu, A. **135**, 60
Cerri, N. **131**, 85
Çetin, G. **132**, 211
Champod, C. **137**, 107
Chan, C.Y. **137**, 165
Chang, B.S. **137**, 172
Chapenoire, S. **131**, 225
Chau, C. **136**, 12
Chaudron-Thozet, H. **132**, 182
Chbel, F. **132**, 82
Chen, C.-Y. **138**, 119
Chen, D.-P. **138**, 119
Chiarotti, M. **134**, 40
Chiu, Y.-C. **134**, 17
Chiurillo, M.A. **136**, 99
Cho, N.S. **137**, 97
Chu, M. **134**, 154
Chung, H.-S. **131**, 1
Chung, N.-G. **136**, 92
Ciampini, F. **131**, 85
Cifuentes, A. **137**, 67
Clarot, F. **134**, 57; **137**, 45
Clement, J.G. **135**, 122
Clin, B. **137**, 45
Codaccioni, X. **133**, 57
Colalongo, C. **135**, 48
Collins, P. **133**, 220
Cone, E.J. **133**, 22
Coopman, V.A.E. **134**, 115
Cordonnier, J.A.C.M. **134**, 115
Corte Real, F. **134**, 29
Cory, C.Z. **131**, 14
Cowell, R.G. **134**, 196
Crespillo, M. **134**, 46; **135**, 75
Crispino, F. **132**, 125
Curran, J.M. **135**, 1
Cury, J.A. **137**, 209

Daba, A. **131**, 218
Dachs, J. **138**, 27
Dåderman, A.M. **137**, 21
Dadour, I.R. **131**, 134
Danielsen, L. **134**, 134
Danielson, T.J. **133**, 113
Daoudi, Y. **133**, 220
Davies, N.P. **135**, 35
Dawson, M. **132**, 26
de Fátima Pinheiro, M. **135**, 158
De Giovanni, N. **134**, 40
de la Grandmaison, G.L. **131**, 131
de la Vega, A.G. **134**, 46
De Letter, E.A. **134**, 115
de Moura-Neto, R.S. **135**, 67
de Souza Menezes, J. **133**, 242
De Stefano, F. **131**, 85
Debes-Bravo, A.A. **135**, 67
Dekio, S. **133**, 141
Denison, H. **137**, 119
Denson, S. **135**, 53
Dettlaff-Kąkol, A. **131**, 209
Dettling, A. **134**, 142
Di Lonardo, A.M. **134**, 46
Dimo-Simonin, N. **135**, 247
Dirnhofer, R. **132**, 130, 177, 93; **134**, 109; **135**, 115; **137**, 203; **138**, 8
Dixit, V. **135**, 237
Djuric-Srejic, M. **134**, 81
Dobashi, Y. **135**, 72
Doble, P. **132**, 26
Dobosz, M. **131**, 85
Dogra, T.D. **135**, 237; **138**, 111
Doi, M. **134**, 147
Dokgoz, H. **136**, 16
Domenici, R. **131**, 85; **137**, 215
Doutremepuich, C. **134**, 46
Drummer, O.H. **134**, 154
Du Pasquier, E. **132**, 26; **134**, 1
Dujourdy, L. **131**, 171; **132**, 139
Durigon, M. **131**, 125, 131
Dutour, O. **132**, 49
Duval, H.P. **137**, 13

Edelmann, J. **134**, 72; **136**, 73; **138**, 37
Edston, E. **131**, 8; **137**, 133
Ege, B. **133**, 136
Elgar, M.A. **132**, 173
El-Haj, B.M. **135**, 16
Elian, A.A. **134**, 54
Elias, S. **132**, 76
Elliott, K. **137**, 28
Elliott, S.P. **133**, 9
Ergün, H. **132**, 233
Eronen, M. **133**, 197
Eşiyok, B. **132**, 1
Esseiva, P. **131**, 171; **132**, 139
Evmiridis, N.P. **138**, 75

Falconi, M. **135**, 48
Fang, S.-G. **131**, 75
Fanton, L. **137**, 52
Farfán, M.J. **134**, 180
Favretto, D. **133**, 171
Feldbrügge, H. **131**, 156
Fernandes, A. **135**, 239
Fernández-Fernández, I. **134**, 46
Fernandez-Rodriguez, A. **137**, 55
Ferrara, S.D. **133**, 171
Ferrari, L.A. **133**, 152
Ferri, G. **135**, 48
Fieguth, A. **131**, 156; **135**, 218
Flanagan, R.J. **132**, 9
Flores, I. **134**, 180
Fojtášek, L. **132**, 99
Føndevila, M. **137**, 217
Foreman, L. **131**, 184
Foster, A.P. **133**, 235
Foti, B. **132**, 49
Fowler, D.R. **133**, 190; **134**, 120; **137**, 238, 239
Franklin, D.d.A.D. **133**, 242
Franz, D. **135**, 218
Fraser, A.D. **133**, 26; **137**, 196
Fraser, N.L. **135**, 122
Frattarelli, D.A.C. **132**, 233
Fredouille, C. **136**, 12
Fredriksen, S.-O. **137**, 21
Freney, L. **134**, 99
Frison, G. **133**, 171
Fritch, D. **133**, 22
Fucci, N. **134**, 40; **138**, 91
Fuentes, A. **136**, 99
Fujii, K. **132**, 166
Fujitani, N. **135**, 72
Fuke, C. **133**, 107
Funayama, M. **132**, 5; **133**, 250
Fung, W.K. **135**, 105; **136**, 22
Furton, K.G. **134**, 11

Gaikwad, S. **134**, 225
Galindo, A. **137**, 67
Gamero, J.-J. **134**, 29
García, M. **135**, 188
García, O. **132**, 164; **135**, 158; **137**, 235
García-Poveda, E. **135**, 150
García-Repetto, R. **135**, 110
Garcia, J.A. **132**, 57
Gardebas, D. **137**, 6
Gaudieri, S. **131**, 134
Gaulier, J.M. **133**, 79
Gauthier, M.L. **131**, 140
Geada, H. **135**, 150, 158
Gerich, T. **131**, 156
Gerostamoulos, J. **134**, 154
Gerschlauer, A. **134**, 234
Ghanem, A. **133**, 101
Giannuzzi, L. **133**, 152
Gill, P. **131**, 184; **137**, 28
Gilmore, S. **131**, 65
Giménez, M.P. **135**, 110
Gimeno, P. **132**, 182
Giraldo, A. **136**, 83

Giroud, C. **131**, 103
Giustiniani, J. **132**, 49
Gniadecka, M. **134**, 134
Goh, H.-G. **136**, 92
Gökdoğan, M.R. **132**, 113
Goldmann, T. **137**, 107
Gómez, J. **134**, 46
Gómez, M.V. **137**, 235
González-Andrade, F. **135**, 64
González-Martin, A. **136**, 96
Goren, S. **137**, 37
Gosset, D. **135**, 27
Goullé, J.P. **133**, 79; **134**, 57
Graß, H. **132**, 195
Graham, K. **133**, 228
Griffiths, L.R. **134**, 99
Grossin, C. **131**, 125
Guéniat, O. **131**, 171
Gullberg, R.G. **131**, 30
Günay, Y. **132**, 1
Gunst, K. **136**, 52
Gurkan, F. **137**, 37
Gusmão, L. **134**, 126, 172, 46; **135**, 150, 158
Gutiérrez, A. **136**, 83

Hadi Çakır, A. **135**, 60
Hadidi, K.A. **135**, 129
Hadley, J.A. **133**, 190; **137**, 239
Haffner, H.-Th. **134**, 142
Hahn, D. **133**, 22
Hakko, H. **132**, 68
Hall, A. **136**, 58
Hall, M.J.R. **138**, 50
Hallenberg, C. **137**, 74
Han, G.-R. **136**, 89
Hao, B. **137**, 247
Harms, L. **133**, 39
Harper, C. **133**, 63
Hartwig, S. **131**, 90
Hartzell, B. **133**, 228
Harvey, M.L. **131**, 134
Hashimoto, Y. **131**, 108; **137**, 183
Hashiyada, M. **132**, 5; **133**, 250
Hassan, M.H. **135**, 16
Hau, J. **132**, 164
Hector, M.P. **131**, 22
Hédouin, V. **135**, 27
Helander, A. **133**, 86
Hering, S. **138**, 37
Hernandez, A. **137**, 74
Herrera, R.J. **133**, 260
Hicks, T. **137**, 107
Hieda, Y. **133**, 141
Higgs, J.E. **133**, 235
Hill, D.S. **137**, 28
Hino, Y. **131**, 148
Hishida, S. **133**, 107
Hithaya Jeevan, N. **138**, 134
Holgert, H. **132**, 46
Holmgren, P. **135**, 206
Hou, R.-J. **131**, 53
Houck, M.M. **135**, 146
Hsieh, H.-M. **131**, 53; **136**, 1
Hu, A.R. **136**, 47
Hu, Y.-Q. **135**, 105
Huang, D. **133**, 246
Huang, L.-H. **131**, 53; **136**, 1
Humbert, L. **133**, 57
Hwang, J.H. **137**, 97
Hwang, J.-Y. **136**, 92

Ikeda, N. **138**, 62
İlkyaz, Y.Y. **137**, 141
Imaizumi, K. **135**, 122
Imbenotte, M. **133**, 132
Immel, U. **132**, 84
Inoue, H. **135**, 42; **138**, 85
İşcan, M.Y. **137**, 160
Itakura, Y. **133**, 250
Iten, P.X. **133**, 179
Ito, H. **134**, 147
Ito, Y. **134**, 147
Iwadate, K. **134**, 147
Iwata, Y. **138**, 85
Iwata, Y.T. **135**, 42
Izarra, F. **132**, 164

Jacewicz, R. **137**, 94
Jaime, J.C. **137**, 217
Jain, S.K. **133**, 183
James, D.S. **131**, 14
Janićijević, B. **138**, 127
Janusz, A. **134**, 62
Jaya, P. **138**, 134
Jobling, M.A. **132**, 228
Johansen, S.S. **135**, 235
Johnston, S. **134**, 232
Jones, A.W. **132**, 18; **133**, 1, 86; **135**, 206
Jones, M.D. **131**, 14
Jurado, C. **133**, 175; **135**, 110
Juusola, J. **135**, 85

Kaa, E. **131**, 162
Kaddour, A. **133**, 79
Kadlubek, M. **137**, 94
Käferstein, H. **132**, 195
Kamamoto, T. **133**, 107
Kanamori, T. **135**, 42; **138**, 85
Kang, S. **131**, 140
Kardos, K.W. **133**, 22
Kasai, K. **132**, 166
Kashyap, V.K. **132**, 216; **134**, 225; **136**, 79
Kassam, N. **131**, 140
Katayama, Y. **138**, 62
Katsumura, S. **134**, 147
Kedici, P. Sema **137**, 141; **137**, 160
Kee, S.S. **138**, 134
Khromov-Borisov, N.N. **137**, 100
Kido, A. **135**, 72
Kidwell, D.A. **133**, 63
Kidwell, J.D. **133**, 63
Kim, C.-C. **136**, 92
Kim, D.-W. **136**, 92
Kim, Y.-J. **136**, 92
Kim, Y.-L. **136**, 92
Kimont, H.-G. **132**, 195
Kimura, H. **132**, 157; **134**, 169
Kimura, K. **133**, 141
Kinga Balogh, M. **137**, 188
Kinnunen, J. **132**, 68
Kinoshita, H. **133**, 107
Kintz, P. **133**, 79, 36
Kirkbride, K.P. **134**, 62
Kishi, T. **135**, 42; **138**, 85
Kleemann, W.J. **131**, 156; **135**, 218; **137**, 41
Klintschar, M. **132**, 84; **135**, 163
Klotzbach, H. **132**, 76
Kneubuehl, B. **138**, 68
Kneubuehl, B.P. **132**, 93; **138**, 44; **138**, 8
Knight, A.K. **135**, 53
Koç, S. **131**, 36
Koç, S. **132**, 40
Kochana, J. **134**, 207; **134**, 214
Koda, Y. **134**, 169
Koffi, K. **137**, 52
Kohlhase, C. **134**, 93
Kolář, P. **132**, 99
Komeda, M. **133**, 107
Koski, A. **135**, 9
Kotrlý, M. **132**, 99
Kovar, K.-A. **134**, 187
Krause, D. **133**, 101; **137**, 125
Kristensen, I.B. **138**, 114
Kroener, L. **133**, 32
Kubota, A. **133**, 107
Kudo, K. **138**, 62
Kung, L.-K. **132**, 153
Kuo, Y.-C. **131**, 53; **136**, 1
Kuppuswamy, R. **134**, 123
Kusakabe, T. **133**, 146

Lachenmeier, D.W. **133**, 118; **133**, 32
Lahti, R.A. **131**, 113; **136**, 35
Lalys, L. **132**, 49
Lambert, C. **137**, 28
Lander, N. **136**, 99
Langdon, S. **135**, 137
Lareu, M. **131**, 220; **137**, 104
Lareu, M.V. **137**, 217
Lau, G. **137**, 1
Laukkanen, M. **131**, 42
Layman, M.J. **135**, 167
Lazarini, H.J. **132**, 168
Leadbeatter, S. **131**, 14
Lee, C.-w. **132**, 153
Lee, H.Y. **136**, 89
Lee, J.B. **138**, 116
Lee, J.C.-I. **131**, 53; **136**, 1
Lee, S. **136**, 92
Lee, Y.A. **137**, 97

Lehrer, M. **133**, 22
Leibelt, C. **133**, 220
Leite, F.P.N. **132**, 223
Lentini, J.J. **132**, 63
Leonetti, G. **132**, 49
Lessig, R. **135**, 218
Levine, B. **134**, 120
Levo, A. **135**, 9
Lhermitte, M. **133**, 132, 57
Li, S. **138**, 123
Li, Y. **137**, 247
Liang, X.-Y. **132**, 225
Liau, A.-S. **134**, 17
Lidberg, L. **137**, 21
Lignitz, E. **133**, 125; **137**, 125
Lin, C.-H. **134**, 17
Lin, H.R. **136**, 47
Lin, L.-C. **134**, 17
Linacre, A. **131**, 53; **136**, 1
Liprandi, A. **136**, 12
Liu, J.-T. **134**, 17
Liu, S.-W. **131**, 53
Liversidge, H.M. **131**, 22
Lopes, A. **134**, 172
Lopes, V. **134**, 29
Lopez, A. **138**, 17
López, C.M. **134**, 46
López-Soto, M. **134**, 180, 46
Lora-Tamayo, C. **133**, 256
Lorente, J.A. **134**, 46
Lorin de la Grandmaison, G. **131**, 125
Louahlia, S. **132**, 82
Loughrey, C.M. **134**, 232
Loughrey, M.B. **134**, 232
Lu, S.-C. **138**, 119
Lua, A.C. **136**, 47
Ludes, B. **133**, 79; **134**, 36
Luiselli, D. **135**, 48
Luna-Vazquez, A. **136**, 96
Luque, J.A. **135**, 75
Lusthof, K.J. **133**, 17
Lynnerup, N. **132**, 228
Lyons, F. **131**, 22

Ma, J. **138**, 123
MacCrehan, W.A. **135**, 167
Maczel, M. **132**, 49
Madea, B. **133**, 118, 204, 32; **134**, 163, 234
Maity, B. **132**, 216
Mäkikyrö, T. **132**, 68
Malaghini, M. **134**, 46
Malgosa, A. **135**, 188
Malicier, D. **137**, 52
Malik, N.J. **135**, 115
Mangin, P. **131**, 103; **135**, 247
Manna, A. **135**, 181
Manrique, M.C. **133**, 212
Mansouri, F. **137**, 41
María Silva de la Fuente, S. **135**, 150, 158
Margot, P. **131**, 171; **132**, 139; **137**, 107
Marian, C. **131**, 218
Markwalder, Th.H. **135**, 115
Marquet, P. **133**, 79; **133**, vii
Martin-de las Heras, S. **132**, 57
Martin-Dupont, S. **133**, 79
Martinez De Pancorbo, M. **132**, 82
Martinez, F. **137**, 6
Martinez-Bouzas, C. **132**, 82
Martinović Klarić, I. **138**, 127
Martín, P. **135**, 158
Martínez, C.A. **134**, 46
Martínez, G. **133**, 254
Martínez-Jarreta, B. **135**, 158, 64
Masuda, T. **132**, 157
Masuhr, F. **133**, 39
Maxeiner, H. **134**, 93; **137**, 60
Maxzud, M.K. **131**, 214
Maynard, P. **135**, 137
McCaulley, R.A. **133**, 63
McCord, B. **133**, 228
McNaught, I.J. **138**, 27
Megharaj, M. **134**, 62
Mendes, A.M. **136**, 99
Menegassi, F.J. **132**, 223
Menéndez, M. **135**, 110
Meng, H.-H. **136**, 1
Menzen, M. **133**, 204
Mesotten, K. **136**, 52
Meyer, H.J. **138**, 1
Michael, M. **138**, 37
Michaud, K. **131**, 103
Miettunen, J. **132**, 68
Mimasaka, S. **132**, 5
Minami, T. **133**, 107
Miozzo, M.C. **131**, 214
Miyazaki, T. **133**, 107
Mizuno, N. **132**, 166
Modesti, N.M. **131**, 214; **134**, 46
Mohamed, H. **136**, 12
Moisander, P.A. **137**, 133
Molina, E. **133**, 256
Monard Sermier, F. **137**, 107
Montesino, M. **134**, 46
Moore, K.A. **134**, 120
Moral, A.R. **133**, 136
Morales, A. **136**, 99
Moreno, E. **135**, 110
Morentin, B. **135**, 213
Moretti, T. **133**, 220
Morganti, L. **135**, 67
Moriya, F. **131**, 108; **137**, 183
Morling, N. **137**, 74
Motomura, H. **133**, 107
Moulsma, M. **133**, 79
Moussa, H. **133**, 212
Mozayani, A. **133**, 113
Mukaida, M. **132**, 157
Müller, I.B. **135**, 235
Muñoz-Valle, F. **136**, 96
Mura, P. **133**, 79
Musshoff, F. **133**, 118, 204, 32; **134**, 234
Mutal, S.A. **131**, 214

Nadifi, S. **132**, 82
Nagashima, T. **133**, 250
Nagesh, N. **137**, 16
Naidu, R. **134**, 62
Nakahara, Y. **133**, 47
Nardo, C.A. **133**, 152
Nasidze, I. **137**, 85
Nata, M. **132**, 5; **133**, 250
Navarrete, M. **137**, 67
Negreiros, V. **135**, 150
Niederstätter, H. **137**, 221
Nielsen, E. **131**, 162
Nielsen, K.G. **134**, 134
Nishida, N. **138**, 62
Nishiguchi, M. **133**, 107
Nokes, L.D.M. **131**, 14
Nouveau, J. **133**, 79
Nørby, S. **132**, 228
Nunga, S.C. **132**, 216
Nunn, G. **133**, 220

Oba, M. **132**, 5
Ochoa, O. **132**, 164
O'Day, D.H. **131**, 140
Oh, J.-E. **136**, 89
Ohayon, P. **134**, 36; **137**, 13
Ohmae, Y. **135**, 42; **138**, 85
Ohta, T. **133**, 107
Ojanperä, I. **131**, 148; **135**, 9
Ooi, Y.S. **138**, 134
O'Rourke, D. **134**, 232
Ortega, J. **137**, 67
Ossa Reyes, H. **135**, 243
Othman, M.I. **138**, 134
Ouchi, H. **133**, 107
Oya, M. **135**, 72
Özaslan, A. **132**, 40
Özaslan, I. **132**, 40
Özdemir, M. Hakan **135**, 226
Ozdoba, C. **134**, 109; **138**, 8
Öztürk, P. **133**, 136

Pacharoni, C.M. **131**, 214
Pacifici, R. **138**, 17
Paez-Riberos, L.A. **136**, 96
Palacio, A.M. **134**, 46
Palmi, I. **138**, 17
Papin, F. **137**, 45
Pappalardo, G. **135**, 48
Parczewski, A. **134**, 207; **134**, 214
Paredes, M. **134**, 46; **135**, 75; **137**, 67
Parik, J. **138**, 127
Parisis, N.A. **138**, 75
Park, I.H. **137**, 97
Parry, J. **132**, 106
Parson, W. **137**, 221
Pascali, V. **131**, 85
Pascali, V.L. **131**, 59

Patzelt, D. **136**, 76; **138**, 94
Pawlowski, R. **131**, 209
Peakall, R. **131**, 65
Pedersen, F. **134**, 134
Peloso, G. **131**, 85
Pelotti, S. **131**, 85; **135**, 48
Pena, S.D.J. **134**, 46
Penttilä, A. **131**, 113; **137**, 231
Pérez, L. **132**, 164
Pérez-Lezaun, A. **134**, 46
Peričić, M. **138**, 127
Perkins, M.V. **134**, 62
Pestano, J.J. **134**, 46
Petersen, H.D. **134**, 134
Petocz, P. **132**, 26
Piccinini, A. **131**, 85
Picozzi, M. **131**, 42
Piercecchi-Marti, M.D. **136**, 12
Piette, M.H.A. **134**, 115
Pinho Marques, E. **133**, 95
Pitulescu, M. **131**, 218
Plate, I. **138**, 37
Plattner, T. **138**, 68
Poetsch, M. **137**, 125
Pollak, S. **135**, 197
Polzin, S. **138**, 94
Pommier, C. **135**, 53
Ponzano, E. **131**, 85
Popov, V.L. **137**, 100
Pötter, T. **138**, 104
Pourrat, O. **133**, 79
Pragst, F. **131**, 90; **133**, 39
Prasad, K. **137**, 16
Presciuttini, S. **131**, 85; **137**, 215
Presley, L. **133**, 22
Prieto Solla, L. **135**, 150
Prieto, L. **134**, 46
Prieto, V. **134**, 180
Proença, P. **133**, 95
Prohaska, C. **133**, 204
Prośniak, A. **137**, 94
Proust, B. **134**, 57; **137**, 45
Puente, J. **134**, 46
Pueschel, K. **132**, 76

Quatrehomme, G. **134**, 36; **137**, 13
Quevedo, N. **133**, 254
Quintans, B. **131**, 220
Quintáns, B. **135**, 150

Raimann, P.E. **132**, 223
Raimondi, E. **134**, 219, 222; **135**, 150, 158
Rainio, J. **137**, 231
Rajkumar, R. **136**, 79
Ramcharitar, V. **134**, 120
Ramírez, J.L. **136**, 99
Rangel-Villalobos, H. **136**, 96
Rao, M.S. **135**, 181
Rasanen, I. **131**, 148
Räsänen, P. **132**, 68
Rautji, R. **135**, 237; **138**, 111
Reeder, D. **133**, 220
Reichenpfader, B. **132**, 84
Rey, M. **136**, 83
Reyes, H.O. **136**, 86
Reyes, M.E. **137**, 235
Riancho, J.A. **134**, 72; **135**, 150, 232
Ricci, U. **131**, 85
Riße, M. **137**, 147
Rincón, M. **137**, 67
Rissech, C. **135**, 188
Roarty, K. **133**, 63
Robertson, J. **131**, 65; **135**, 137; **138**, 27
Robertson, M.D. **134**, 154
Robinson, S.L. **135**, 35
Roby, R. **133**, 220
Rodríguez, A. **133**, 256
Roewer, L. **138**, 37
Rollmann, D. **131**, 162
Romain, N. **131**, 103
Romano, G. **131**, 98
Romano, V. **138**, 37
Romero, R.E. **137**, 67
Römhild, W. **133**, 101
Romolo, F.S. **138**, 17
Roney, C.A. **133**, 235
Rootsi, S. **138**, 127
Rosalen, P.L. **137**, 209
Rosser, Z.H. **132**, 228
Rothschild, M.A. **131**, 197
Rotolo, M.C. **138**, 17
Roux, C. **132**, 26; **135**, 137
Rowland, B. **133**, 22
Rowold, D.J. **133**, 260
Rubiño, M. **132**, 57
Rudan, P. **138**, 127
Rudra, A. **135**, 237; **138**, 111
Rumjanek, F.D. **133**, 242
Rusu, V. **131**, 218

Sabucedo, A.J. **134**, 11
Sachs, H. **133**, 175
Saito, T. **133**, 146
Saitoh, S. **135**, 42
Sajantila, A. **135**, 9
Sala, A. **134**, 46
Salamone, S. **133**, 22
Salas, A. **134**, 46; **137**, 104, 217, 67
Salas, C. **132**, 57
Sam Niedbala, R. **133**, 22
Sanchez, J.J. **137**, 74
Sanchez-Diz, P. **131**, 220
Sánchez-Diz, P. **134**, 172; **135**, 150, 158
Sánchez-Q, D. **135**, 64
Sancho, J.R. **133**, 256
Sandercock, M. **132**, 26
Sandercock, P.M.L. **134**, 1
Santos, M.V. **134**, 29
Santtila, P. **131**, 42
Sanz, P. **134**, 180
Sato, H. **131**, 202; **132**, 166
Sato, K. **134**, 147
Sawaguchi, A. **132**, 161
Sawaguchi, T. **132**, 161
Schädlich, H. **137**, 85
Schaller, C. **133**, 254
Schmidt, P. **133**, 204; **134**, 163
Schmolke, C. **133**, 204
Schneider, P.M. **137**, 188
Schneider, R.C. **134**, 187
Schöning, R. **133**, 101
Schrode, P. **133**, 113
Schroeder, B. **136**, 83
Schroeder, H. **132**, 76
Schütz, H. **137**, 147
Schweitzer, W. **134**, 109
Schwengber, S.P. **132**, 223
Scott, K.S. **133**, 47
Scott, T.L. **134**, 62
Seah, L.H. **138**, 134
Secl, J.D. **135**, 167
Seinen, W. **132**, 9
Seiter, W. **133**, 22
Seki, H. **133**, 242
Sekiguchi, K. **132**, 166
Sen, P.K. **135**, 181
Senju, H. **132**, 166
Seto, Y. **134**, 169
Shin, D.H. **137**, 172
Shin, K.-J. **136**, 89
Shinohara, F. **133**, 63
Shu, Y.-R. **134**, 17
Si, Y. **137**, 247
Sibille, I. **131**, 125
Signoli, M. **132**, 49
Sihn, Y.-S. **131**, 1
Silva, R. **135**, 67
Simonsen, K.W. **131**, 162
Singh, L. **137**, 16
Singh, R.P. **133**, 183
Sirbu, I.O. **131**, 218
Skinner, M. **134**, 81
Skitsa, I. **137**, 104
Sleeman, R. **132**, 106
Smith, F.P. **133**, 63
Smith, M. **133**, 22
Smolyanitskaya, A.I. **137**, 100
Smolyanitsky, A.G. **137**, 100
Sng, I. **137**, 1
Soares, R.P.S. **135**, 67
Solak, I. **133**, 136
Solla, L.P. **135**, 158
Sönmez, E. **135**, 226
Sonnenschein, M. **138**, 8
Soriano, T. **135**, 110
Spadaro, G. **131**, 98
Spence, L. **132**, 117
Spinetti, I. **137**, 215
Sporkert, F. **133**, 39
Spriggs, A.C. **133**, 235
Staak, M. **132**, 195
Stauffer, E. **132**, 63

Stillwell, M.E. **134**, 25
Stoneking, M. **137**, 85
Strange, S. **134**, 134
Strindlund, H. **137**, 21
Suarez, D. **137**, 67
Suárez-Mier, M.P. **135**, 213
Subasi, M. **137**, 37
Sugita, R. **138**, 85
Sultana, M. **137**, 16
Sun, C.-F. **138**, 119
Surma, M. **134**, 207
Susukida, R. **135**, 72
Swann, P. **134**, 154
Szibor, R. **134**, 72; **136**, 73; **138**, 37
Szram, S. **137**, 94

Tagliabracci, A. **131**, 85
Takada-Matuzaki, Y. **132**, 157
Takasaki, T. **138**, 62
Takeichi, S. **133**, 146; **134**, 169
Tam, J.C.N. **132**, 153
Taniguchi, T. **133**, 107
Tanno, K. **134**, 147
Taroni, F. **131**, 171; **132**, 139; **135**, 247
Tedeschi, L. **133**, 171
Teixeira, H. **133**, 95
Tena, T. **133**, 256
Thali, M. **138**, 68
Thali, M.J. **132**, 130, 177, 93; **134**, 109; **135**, 115; **137**, 203; **138**, 44, 8
Thanasoulias, N.C. **138**, 75
Theilade, P. **135**, 235
Thibault, D. **133**, 57
Thomas, C. David L. **135**, 122
Thomsen, H.K. **134**, 134
Tilhet-Coartet, S. **133**, 79
Timonen, M. **132**, 68
Toni, C. **137**, 215
Torres, Y. **134**, 180
Toscanini, U. **134**, 219, 222; **135**, 150
Tovar, F. **136**, 99
Triggs, C.M. **131**, 184; **135**, 1
Tröger, H.D. **131**, 156; **137**, 41
Tsai, C.-C. **134**, 17
Tsai, L.-C. **131**, 53; **136**, 1
Tsang, C.S.F. **133**, 235
Tschentscher, F. **131**, 59
Tseng, Y.T. **136**, 47
Tsuda, T. **133**, 107
Tsujikawa, K. **135**, 42; **138**, 85
Tsujino, Y. **133**, 141
Tuğcu, H. **132**, 40
Turan, N. **132**, 201
Turbett, G.R. **135**, 35
Turla, A. **131**, 36
Týrasci, Y. **137**, 37
Tytgat, J. **133**, 159

Uner, H.B. **132**, 211
Üner Ülküer, K. **137**, 141
Usaquén, W. **136**, 83
Utsumi, T. **133**, 107

Vacínová, J. **132**, 99
Valenti, V. **131**, 98
Valenzuela, A. **132**, 57
Vallejo, G. **137**, 55
Valverde, J.L. **135**, 75
van Hage-Hamsten, M. **131**, 8
Vaz, E. **134**, 57; **137**, 45
Vázquez, E. **133**, 254
Vergara, C. **137**, 67
Verma, S.K. **137**, 16
Vermeersch, G. **133**, 132
Vicomte, C. **137**, 45
Vidal-Martinez, J. **135**, 243
Vide, M.-C.V. **134**, 29
Vide, M.C.V. **135**, 150, 158
Vide, M.V. **134**, 46
Vieira, D.N. **133**, 95
Vieira-Silva, C. **135**, 150
Viemerö, V. **133**, 197
Vignau, J. **133**, 57
Vilchis-Dorantes, G. **136**, 96
Vincent, F. **133**, 79
Vinner, E. **133**, 57
Vock, P. **134**, 109; **138**, 8
Volpato, M.C. **137**, 209
Vork, J.C. **138**, 114
Vuori, E. **131**, 148; **135**, 9; **136**, 35

Waghmare, N.P. **135**, 181
Wall, K. **137**, 119
Wallerstedt, S. **137**, 119
Walsh, S.J. **135**, 35
Wan, Q.-H. **131**, 75
Wang, C.-W. **138**, 119
Wang, J. **137**, 247
Wang, S. **138**, 123
Wang, X. **132**, 161
Wang, Y. **137**, 247
Waumans, D. **133**, 159
Wei, C.-S. **131**, 53
Weigand, N. **137**, 147
Weiler, G. **137**, 147
Weizmann-Henelius, G. **133**, 197
Werner, C.R. **135**, 197
Wetton, J.H. **133**, 235
Whittle, M.R. **134**, 46; **135**, 150, 158
Wiegand, P. **135**, 163; **138**, 37
Wiklund, N. **137**, 21
Wilamowski, J. **134**, 207, 214
Willads Petersen, H. **135**, 235
Willems, G. **136**, 52
Wilton, A.N. **135**, 35
Wittig, H. **133**, 101; **137**, 125; **138**, 37
Wong, P.C. **138**, 134
Worth, D. **133**, 26; **137**, 196

Xiang, D.-P. **132**, 225
Xu, Q.S. **138**, 116
Xu, Y.-L. **132**, 225

Yajima, Y. **132**, 5
Yang, Q. **133**, 246
Yang, R. **133**, 246
Yapo Ette, H. **137**, 52
Yardımcı, E. **135**, 60
Yaşar İşcan, M. **132**, 40
Yavuz, M. Fatih **132**, 1
Yayci, N. **131**, 36
Yeh, P.C. **136**, 47
Yen, K. **134**, 109; **135**, 115; **138**, 8
Yim, L.-k. **132**, 153
Yonemura, I. **134**, 147
Yorulmaz, C. **136**, 16
Yoshida, K. **132**, 166
Yoshino, M. **135**, 122
Youn, M. **137**, 172
Yu, C. **133**, 246
Yu, J. **138**, 123
Yu, L. **137**, 247
Yunis, J.J. **134**, 46

Zadora, G. **135**, 97
Zappalà, A. **131**, 42
Zarrabeitia, M.T. **134**, 72; **135**, 150, 158, 232
Zaslavsky, G.I. **137**, 100
Zemni, M. **135**, 247
Zemrus, T.L. **134**, 120
Zhang, Y.J. **138**, 116
Zhao, C. **137**, 247
Zhu, W. **137**, 247
Zhuang, Y.-L. **132**, 225
Zitting, P. **132**, 68
Zollinger, U. **132**, 93; **135**, 115; **138**, 68
Zubiate, U. **132**, 164

ELSEVIER

Forensic Science International 138 (2003) XXVII–LVII

Forensic Science International

www.elsevier.com/locate/forsciint

Subject index

(2003)

Abused drugs; TDxFLx®, Immunoassay, Binding constant, Amphetamine, 11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid, Fluorescence polarization **131**, 1

Accidental autoerotic death; Autoerotic accident, Cause-of-death, Death scene, Psychical and social personality **137**, 41

Accidents; Alcohol, Cannabis, Opiates, Cocaine, Amphetamines, Benzodiazepines, Driving, Traffic accident, Drug of abuse **133**, 79

6-Acetylmorphine; Heroin, Morphine, Codeine, Oral fluid, Prevalence, Alternate matrices, Workplace drug testing **133**, 22

Açores Islands; STR, Population data, Y chromosome **135**, 239

β-Actin; Species identification, Forensic, Mitochondrial DNA, *TP53*, Ribosomal RNA **134**, 99

Actinomycosis; Meningitis, Subarachnoid hemorrhage, Sudden death, Vasculitis **134**, 169

Acute toxicity; Fluoride, Bone, Biomarker **137**, 209

Adhesive film; Personal identification, Denaturant gradient gel electrophoresis (DGGE), PCR, Blood groups **132**, 157

Adrenaline; HPLC, Noradrenaline **132**, 46

Age determination; Children, Erupted teeth, Tooth germs, Multiple regression analysis **132**, 49

Age estimation with SEM; Human identification, Skeletalization, DNA profiling, Dental age estimation, Case study, Dismembered remains, Skull–photo superimposition **137**, 141

Age estimation; Forensic odontology, Permanent tooth length, Tooth apex width, Radiographs **131**, 22

Age estimation; RNA degradation, RT-PCR, Bloodstains **138**, 94

Age; Innominate bone, Ischium, Immature, Sex **135**, 188

AIS; Trauma scoring, Forensic medicine, Turkish injury scale, Comparison **132**, 1

Alcohol markers in hair; Fatty acid ethyl esters, Hair analysis, Hair care products **131**, 90

Alcohol; Alcoholism, Autopsy, Blood–ethanol, Death, Urine, Urine/blood ratio **135**, 206

Alcohol; Analysis, Blood, Breath, Drunk driving, Ethanol, Intoxilyzer 5000S, Pharmacokinetics **132**, 18

Alcohol; Cannabis, Opiates, Cocaine, Amphetamines, Benzodiazepines, Driving, Traffic accident, Drug of abuse, Accidents **133**, 79

Alcohol; Drugs, Driving, Australia, Forensic toxicology **134**, 154

Alcohol; Questioned documents, Handwriting, Turkey **132**, 201

Alcoholism; Alcohol, Autopsy, Blood–ethanol, Death, Urine, Urine/blood ratio **135**, 206

Alcoholism; Carbohydrate-deficient transferrin, Vitreous humour **137**, 119

Allele frequencies; STR loci, Hardy–Weinberg equilibrium **131**, 218

Allele frequency; Short tandem repeats (STRs), Hardy–Weinberg expectation **137**, 97

Allele sharing; Profiler Plus™, Validation study, Population structure **131**, 85

Allelic frequencies; STR, Colombian population **136**, 86

Allelic frequencies; STR, Mexican population **136**, 96

Alternate matrices; Heroin, 6-Acetylmorphine, Morphine, Codeine, Oral fluid, Prevalence, Workplace drug testing **133**, 22

Amelogenin; STR polymorphism, HWE, Human identification, Statistical probability, Mizoram populations **132**, 216

7-Aminoclonazepam; Clonazepam, Oxazepam, Cross-reactivity, ELISA **134**, 54

7-Aminonitrazepam; Forensic toxicology, Postmortem drug testing, Nitrazepam, Stability of nitrazepam, Tissue distribution **131**, 108

doi:10.1016/S0379-0738(03)00476-6

Ammunition; Target, Muzzle, Muzzle-target angle, Gunshot residues **138**, 68

Amniotic fluid embolism; Motor vehicle accident, Safety restraints, Trauma in pregnancy, Mast cells, Tryptase, Forensic autopsy **137**, 231

Amount of exposure; Kerosene, Dermal exposure, GC/MS, Area of exposure **133**, 141

AmpF/STR Identifiler; Short tandem repeat, Korean population **136**, 92

AmpFlSTR Identifiler™; Short tandem repeat (STR), Japanese population, PowerPlex™ 16 **133**, 250

AmpFlSTR profiler and cofiler; Short tandem repeats, Population data, Bogotá, Boyacá **136**, 83

AmpFLSTR Profiler Kit; Population data, Short tandem repeats, Bangladeshis, Indonesians **135**, 72

AmpFlSTR Profiler Plus; Short tandem repeats, Population data, Córdoba (Argentina) **131**, 214

AmpFlSTR SGM plus and profiler; Short tandem repeats, Population data, Taiwan **138**, 119

AmpFlSTR SGM plus; Short tandem repeat, Population data **132**, 84

AMP-FSP; Population data, Northwestern Russians, PCR, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

AmpF/ST® Identifiler™, ABI; STR, Venezuela, Population data **136**, 99

AmpF/STR Identifiler®; STR, Population data, Malaysia **138**, 134

AmpF/STR Profiler PCR amplification kit; Short tandem repeats, Japanese population **132**, 166

AmpF/STR® Profiler Plus™; STR, PowerPlex® 16 system™, China Han population **138**, 116

AmpF/STR SGM Plus; Short tandem repeats, Population data **132**, 225

AmpF/STR®; D8S1179, Primer binding site mutation, Multiplex, PCR, STR, Validation **133**, 220

Amphetamine; Forensic science, NIR, MDMA, MDE, Ecstasy **134**, 187

Amphetamine; Heroin, Cocaine, Ecstasy, Street level **131**, 162

Amphetamine; TDxFLx®, Immunoassay, Binding constant, 11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid, Fluorescence polarization, Abused drugs **131**, 1

Amphetamines; Alcohol, Cannabis, Opiates, Cocaine, Benzodiazepines, Driving, Traffic accident, Drug of abuse, Accidents **133**, 79

Amphetamines; Cyclohexanone, Derivatization, Ephedrines, GC–MS **135**, 16

Analgesia; Tramadol, Overdose, Liver failure, Toxicology **134**, 232

Analysis; Alcohol, Blood, Breath, Drunk driving, Ethanol, Intoxilyzer 5000S, Pharmacokinetics **132**, 18

Analysis; Ethanol, Ethyl glucuronide, Creatinine, Drunk drivers, Urine **133**, 86

Analysis; Forensic science, Bite mark, Patterned injuries, 3D/CAD, Photogrammetry, Documentation **135**, 115

Analysis; Optical 3D surface digitizing, 3D/CAD scanner, Forensic, Wound documentation, Reconstruction, Virtual autopsy, Virtopsy **137**, 203

Ancient DNA; PCR, Contamination, Authentication criteria **131**, 59

o-, *m*-, and *p*-methyl hippuric acids; Hair, Hippuric acid **133**, 146

Anethole; Anise oil, Para-methoxyamphetamine, Leuckart reaction, 4-Methoxyphenol **133**, 159

Animal identification; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Collaborative Exercise, Heteroplasmy, Hair shafts, Cytochrome b, 12S, 16S **134**, 46

Anise oil; Anethole, Para-methoxyamphetamine, Leuckart reaction, 4-Methoxyphenol **133**, 159

Anterograde amnesia; Flunitrazepam, Violence, Forensic analyses, Forensic psychiatry, Urine sample **137**, 21

Anthropology; Mass graves, Archaeology, Site formation, Exhumation, Postmortem examination, Monitoring protocol **134**, 81

Anthropometry; Non-Japanese faces, Facial identification, 3D morphology, Superimposition **135**, 122

Anthropometry; Stature estimation, Dismember lower extremity, Regression analysis, Mass disaster, Turks **132**, 40

Aortic dissection; Autopsy case, Blunt chest trauma, Forensic medicine **132**, 5

ApoB; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, D1S80 **137**, 100

Archaeology; Mass graves, Anthropology, Site formation, Exhumation, Postmortem examination, Monitoring protocol **134**, 81

Area of exposure; Kerosene, Dermal exposure, GC/MS, Amount of exposure **133**, 141

Argentina; Short tandem repeats (STRs), Silver stain detection, Population data **133**, 254

Argentina; Short tandem repeats, Population data, PowerPlex® 16 System, Buenos Aires **134**, 222

Argentina; Short tandem repeats, Population data, PowerPlex® 16 system, Neuquen **134**, 219

Argentina; Y-chromosome, Short tandem repeat, Forensic genetics, Population genetics **137**, 217

Armillifer grandis; Pentastomiasis, Postmortem, Autopsy **137**, 52

Artificial neural networks; Gasoline, Gas chromatography–mass spectrometry, Principal component analysis **132**, 26

Asphyxiation; Drowning, Postmortem effects, Organ weight, Endogenous alcohol **133**, 190; **137**, 239

Assistance; Criminalistics, FAS, Forensic, Support, Quality management **132**, 125

Australia; Drugs, Alcohol, Driving, Forensic toxicology **134**, 154

Authentication criteria; Ancient DNA, PCR, Contamination **131**, 59

Authorship; Bibliometrics, Forensic science, Impact factor, Journals, Toxicology **133**, 1

Autoerotic accident; Accidental autoerotic death, Cause-of-death, Death scene, Psychical and social personality **137**, 41

Autopsy case; Aortic dissection, Blunt chest trauma, Forensic medicine **132**, 5

Autopsy findings; Smothering, Children **134**, 163

Autopsy; Alcohol, Alcoholism, Blood–ethanol, Death, Urine, Urine/blood ratio **135**, 206

Autopsy; Forensic science, Toxicology, Cyamemazine, Death **137**, 13

Autopsy; Formalin-fixed tissues, Embalming, Toxicology, Morphine, Heroin **134**, 36

Autopsy; Pentastomiasis, Postmortem, *Armillifer grandis* **137**, 52

Autopsy; Stab wounds, Incised wounds, Bone lesion, Cartilage lesion, Skeleton **131**, 131

Baby-rocker; Subdural haemorrhage, Causation, Biomechanical **131**, 14

Ballistic; Bullet–body interaction, Projectile deformation, Fragmentation, Grazing, Tangential gunshot, Skull–Brain Model, High-speed documentation **132**, 93

Ballistics; Forensic science, Bone, Fracture, Gunshot, Body model, Synthetic model, Experiment **138**, 44

Bangladeshis; Population data, Short tandem repeats, AmpFLSTR Profiler Kit, Indonesians **135**, 72

Banknotes; Cocaine, Counting machines, Contamination **132**, 106

Barbiturates; Suicide, Pentobarbital, Euthanasia, Veterinary **131**, 103

Basagran®; Bentazone, Herbicide, Lethal blood concentration **135**, 235

Bayes' theorem; Drug profiling, Cosine function modelling, Likelihood ratio, Evidence evaluation, Diacetylmorphine **131**, 171

Bayesian networks; Forensic identification, Forensic genetics, Probabilistic Expert Systems **134**, 196

Bentazone; Basagran®, Herbicide, Lethal blood concentration **135**, 235

Benzodiazepine; Tramadol, Intoxication, Fatality, Cytochrome P450 **134**, 57

Benzodiazepines; Alcohol, Cannabis, Opiates, Cocaine, Amphetamines, Driving, Traffic accident, Drug of abuse, Accidents **133**, 79

Benzodiazepines; Hair, Incorporation rates, GC–MS, HPLC **133**, 47

Bibliometrics; Authorship, Forensic science, Impact factor, Journals, Toxicology **133**, 1

Binding constant; TDxFLx®, Immunoassay, Amphetamine, 11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid, Fluorescence polarization, Abused drugs **131**, 1

Biological fluids; ^{1}H NMR spectroscopy, Poisoning, Xenobiotics **133**, 132

Biomarker; Fluoride, Acute toxicity, Bone **137**, 209

Biomechanical; Subdural haemorrhage, Causation, Baby-rocker **131**, 14

Bite mark; Forensic science, Patterned injuries, 3D/CAD, Photogrammetry, Documentation, Analysis **135**, 115

Blank cartridges; Shot wounds, Head trauma, Tear-gas cartridge, Suicide **137**, 45

Blood groups; Personal identification, Denaturant gradient gel electrophoresis (DGGE), PCR, Adhesive film **132**, 157

Blood spatter artifacts; Blow flies, Forensic entomology, Blood stain pattern interpretation **137**, 152

Blood stain pattern interpretation; Blow flies, Forensic entomology, Blood spatter artifacts **137**, 152

Blood; Alcohol, Analysis, Breath, Drunk driving, Ethanol, Intoxilyzer 5000S, Pharmacokinetics **132**, 18

Blood; Forensic science, Drowning, Strontium **137**, 55

Blood; GHB, Chemical submission, Driving under the influence, Post-mortem material, Urine **133**, 17

Blood; Leucocrystal violet, LCV, Footwear impressions, Spectral enhancement, Optical enhancement **132**, 117

Blood; RNA, DNA, STR, Semen **136**, 76

Blood–ethanol; Alcohol, Alcoholism, Autopsy, Death, Urine, Urine/blood ratio **135**, 206

Bloodstains; RNA degradation, RT-PCR, Age estimation **138**, 94

Blow flies; Forensic entomology, Blood stain pattern interpretation, Blood spatter artifacts **137**, 152

Blowflies; Forensic entomology, PMI, Larval length, Larval killing methods, Larval preservation methods **138**, 50

Blowfly larvae; Postmortem interval, PCR–RFLP, mtDNA, Cytochrome oxidase genes, Restriction enzymes **132**, 76

Blue ball-point pen ink; Forensic chemistry, Forensic document examination, Principal component analysis, Discriminant analysis, Vis spectrophotometry **138**, 75

Blunt chest trauma; Autopsy case, Aortic dissection, Forensic medicine **132**, 5

Body fluid identification; RNA, mRNA profiling, Saliva identification **135**, 85

Body model; Forensic science, Bone, Fracture, Gunshot, Ballistics, Synthetic model, Experiment **138**, 44

Bogotá; Short tandem repeats, Population data, Boyacá, AmpFlSTR profiler and cofiler **136**, 83

Bone lesion; Stab wounds, Incised wounds, Cartilage lesion, Skeleton, Autopsy **131**, 131

Bone; Fluoride, Acute toxicity, Biomarker **137**, 209

Bone; Forensic science, Fracture, Gunshot, Ballistics, Body model, Synthetic model, Experiment **138**, 44

Boyacá; Short tandem repeats, Population data, Bogotá, AmpFlSTR profiler and cofiler **136**, 83

Brazil; STR, Genetic admixture, Human population, São Paulo **135**, 67

Brazilian population; Population data, STR, Profiler plus™ **132**, 223

Breath alcohol; Variability, Confidence intervals, Fit-for-purpose, Limit-of-detection, Limit-of-quantitation **131**, 30

Breath; Alcohol, Analysis, Blood, Drunk driving, Ethanol, Intoxilyzer 5000S, Pharmacokinetics **132**, 18

Bucco-lingual dimension; Odontometrics, Identification, Discriminant function analysis, Sexual dimorphism, Turks **137**, 160

Buenos Aires; Short tandem repeats, Population data, PowerPlex® 16 System, Argentina **134**, 222

Bullet–body interaction; Projectile deformation, Fragmentation, Ballistic, Grazing, Tangential gunshot, Skull–Brain Model, High-speed documentation **132**, 93

Burned bodies; Diagnosis of vitality, Cause of death, CO–Hb, Soot inhalation **135**, 197

Calcineurin; Post-mortem, PMI, Calmodulin binding proteins, Muscle, Lung, MARCKS, CaMKII, iNOS **131**, 140

Calliphorid; Forensic entomology, Cytochrome oxidase I, Mitochondrial DNA **131**, 134

Calliphoridae; Forensic entomology, Postmortem interval, Seasonal dating **132**, 173

Calmodulin binding proteins; Post-mortem, PMI, Muscle, Lung, MARCKS, CaMKII, iNOS, Calcineurin **131**, 140

Camera identity; Criminalistics, Photography-related evidence, Film-edge marks, Photomicrography **134**, 123

CaMKII; Post-mortem, PMI, Calmodulin binding proteins, Muscle, Lung, MARCKS, iNOS, Calcineurin **131**, 140

Canine; Control region, D-loop, Haplotype database **133**, 235

Cannabinoids; Chronic use, Urine excretion, Screening, Confirmation **133**, 26; **137**, 196

Cannabinoids; Hair analysis, SPDE, SPME **133**, 32

Cannabinoids; Withdrawal syndrome, Opiates, Cocaine, Methadone, Drugs **133**, 57

Cannabis sativa; Microsatellite DNA, Short tandem repeat **131**, 53

Cannabis sativa; Microsatellites, Short tandem repeats (STR), Drug, Fibre **131**, 65

Cannabis; Alcohol, Opiates, Cocaine, Amphetamines, Benzodiazepines, Driving, Traffic accident, Drug of abuse, Accidents **133**, 79

Cannabis; Illicit growing, Naphthalene **138**, 91

Capillary electrophoresis; Chiral separation, (±)-Methamphetamine, (±)-Methcathinone, (±)-Ephedrine, (±)-Pseudoephedrine **134**, 17

Capillary electrophoresis; Organic gunshot residues, Hair analysis, Gunpowder additive, Nitroglycerin, Ethyl centralite **135**, 167

Carbohydrate-deficient transferrin; Alcoholism, Vitreous humour **137**, 119

Carbon monoxide poisoning; CO-oximetry, Carboxyhaemoglobin, Putrefied blood, GC–FID **132**, 153

Carbon monoxide; Mass fatality, Tunnel fire, Identification, DNA **138**, 1

Carboxyhaemoglobin; CO-oximetry, Putrefied blood, Carbon monoxide poisoning, GC–FID **132**, 153

Carboxyhemoglobin; Oximeter, Post-mortem blood **133**, 179

Cardiac microvascular disease; Hypothalamic germinoma, Hypopituitarism, Sudden death **137**, 1

Cardiac Troponin I; Postmortem marker, Necrosis, Proteolysis, Degradation, Postmortem interval (PMI) **134**, 11

Cariopulmonary resuscitation; Forensic toxicology, Critical care, Lidocaine, Monoethylglycinexylidide, Endotracheal intubation **137**, 183

Cartilage lesion; Stab wounds, Incised wounds, Bone lesion, Skeleton, Autopsy **131**, 131

Case study; Human identification, Skeletalization, DNA profiling, Dental age estimation, Dismembered remains, Skull–photo superimposition, Age estimation with SEM **137**, 141

Cathinone in hair; Gas chromatography–mass spectrometry, Hair analysis, Khat chewers, Norephedrine in hair, Norpseudoephedrine in hair **133**, 39

Caucasus; Y chromosome, Short tandem repeats, Haplotype, Turkey, Iran **137**, 85

Causation; Subdural haemorrhage, Biomechanical, Baby-rocker **131**, 14

Cause of death; Diagnosis of vitality, Burned bodies, CO–Hb, Soot inhalation **135**, 197

Cause-of-death coding; Fatal drug poisonings, Forensic toxicology, Medico-legal cause-of-death determination, Mortality statistics **136**, 35

Cause-of-death validation; Death certification, Expert panel, Query, Mortality statistics **131**, 113

Cause-of-death; Autoerotic accident, Accidental autoerotic death, Death scene, Psychical and social personality **137**, 41

Chemical fingerprinting; Liquid gasoline, Unevaporated automotive samples, GC–MS, PCA **134**, 1

Chemical submission; GHB, Driving under the influence, Postmortem material, Blood, Urine **133**, 17

Chemometry; Gunshot residues (GSR), SEM–EDX automatic search, Frequency of occurrence of primer residues, Mann–Whitney test, Cluster analysis **135**, 97

Child abuse; Munchausen syndrome by proxy, Poisoning, Clozapine, Clonidine, Medicolegal expert, Interdisciplinary co-operation **137**, 147

Childhood; Death, Sudden, Sudden unexplained death, Pathology, Epidemiology, Young **135**, 213

Children; Age determination, Erupted teeth, Tooth germs, Multiple regression analysis **132**, 49

Children; Imidazoline, Naphazoline, Intoxication, Pediatric, Forensic **134**, 234

Children; Smothering, Autopsy findings **134**, 163

China Han population; STR, AmpFℓSTR® Profiler Plus™, PowerPlex® 16 system™ **138**, 116

Chinese; Forensic science, Y chromosome, Short tandem repeats, Han ethnic group **138**, 123

Chinese; Homicide–suicide, Intimate killings, Hong Kong **137**, 165

Chiral separation; Capillary electrophoresis, (±)-Methamphetamine, (±)-Methcathinone, (±)-Ephedrine, (±)-Pseudoephedrine **134**, 17

Chosun dynasty; Mummy, Microscopic study, Radiocarbon dating, Forensic science **137**, 172

Chronic use; Cannabinoids, Urine excretion, Screening, Confirmation **133**, 26; **137**, 196

Classification; Glass, Elemental analysis, Neural networks, Linear discriminant analysis, Discrimination **137**, 107

Clonazepam; 7-Aminoclonazepam, Oxazepam, Cross-reactivity, ELISA **134**, 54

Clonidine; Munchausen syndrome by proxy, Child abuse, Poisoning, Clozapine, Medicolegal expert, Interdisciplinary co-operation **137**, 147

Clozapine; Munchausen syndrome by proxy, Child abuse, Poisoning, Clonidine, Medicolegal expert, Interdisciplinary co-operation **137**, 147

Cluster analysis; Gunshot residues (GSR), SEM–EDX automatic search, Frequency of occurrence of primer residues, Chemometry, Mann–Whitney test **135**, 97

Coancestry coefficients; Software, DNA, Paternity analysis **135**, 232

Cocaine; Alcohol, Cannabis, Opiates, Amphetamines, Benzodiazepines, Driving, Traffic accident, Drug of abuse, Accidents **133**, 79

Cocaine; Banknotes, Counting machines, Contamination **132**, 106

Cocaine; Environmental contamination, Sweat, Urine **133**, 63

Cocaine; Hair analysis, Recovery, Solid phase extraction, Gas chromatography–mass spectrometry, Opiates **138**, 17

Cocaine; Heroin, Amphetamine, Ecstasy, Street level **131**, 162

Cocaine; Withdrawal syndrome, Opiates, Cannabinoids, Methadone, Drugs **133**, 57

Codeine; Heroin, 6-Acetylmorphine, Morphine, Oral fluid, Prevalence, Alternate matrices, Workplace drug testing **133**, 22

CO–Hb; Diagnosis of vitality, Burned bodies, Cause of death, Soot inhalation **135**, 197

Cohort study; Criminality, Somatic morbidity **132**, 68

Collaborative Exercise; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Heteroplasmy, Hair shafts, Animal identification, Cytochrome b, 12S, 16S **134**, 46

Colombia; Short tandem repeat, STRs, Microsatellite, Population data **137**, 67

Colombian population; STR, Allelic frequencies **136**, 86

Colombian population; Y-chromosome STRs, GATA C4, DYS438, DYS438, DYS439, GATA H4, GATA A10, DYS461 **135**, 243

Comparison; Diamorphine, Diacetylmorphine, Drug profiling, Cosine function modelling, Pattern recognition **132**, 139

Comparison; Trauma scoring, Forensic medicine, Turkish injury scale, AIS **132**, 1

Complex suicide; Self-incineration, Fall from height **131**, 197

Computed tomography; Forensic radiology, Digital autopsy, Virtual autopsy, Virtopsy, Decomposed body **134**, 109

Computer programs; Paternity testing, Kinship determinations, DNA profiling **136**, 22

Conduction system; Histopathology, Fetus, Forensic practice **136**, 12

Confidence intervals; Breath alcohol, Variability, Fit-for-purpose, Limit-of-detection, Limit-of-quantitation **131**, 30

Confirmation; Cannabinoids, Chronic use, Urine excretion, Screening **133**, 26; **137**, 196

Contact wound; Gelatine block, Wound ballistic parameters **133**, 183

Contamination; Ancient DNA, PCR, Authentication criteria **131**, 59

Contamination; Cocaine, Banknotes, Counting machines **132**, 106

Contamination; Demodex, Forensic autopsy, Mite **135**, 226

Contamination; Hair analysis, Heroin, Opiates **131**, 98

Control region; Canine, D-loop, Haplotype database **133**, 235

Control region; MtDNA, HVR-I, HVR-II, Haplotype, Karnataka, India **136**, 79

CO-oximetry; Carboxyhaemoglobin, Putrefied blood, Carbon monoxide poisoning, GC–FID **132**, 153

Copelandia; *Psilocybe*, Psilocin, Psilocybin, Scanning electron microscope **138**, 85

Córdoba (Argentina); Short tandem repeats, Population data, AmpFlSTR Profiler Plus **131**, 214

Cosine function modelling; Diamorphine, Diacetylmorphine, Comparison, Drug profiling, Pattern recognition **132**, 139

Cosine function modelling; Drug profiling, Bayes' theorem, Likelihood ratio, Evidence evaluation, Diacetylmorphine **131**, 171

Counting machines; Cocaine, Banknotes, Contamination **132**, 106

Crane tyre; Iron-locking rim, Haematoma **138**, 111

Creatinine; Analysis, Ethanol, Ethyl glucuronide, Drunk drivers, Urine **133**, 86

Criminalistic; Firearms, Sharp-pointed weapons, Instruments **132**, 113

Criminalistics; FAS, Forensic, Assistance, Support, Quality management **132**, 125

Criminalistics; Forensic science, Gunshot residues, Particle distribution **132**, 99

Criminalistics; Photography-related evidence, Camera identity, Film-edge marks, Photomicrography **134**, 123

Criminality; Cohort study, Somatic morbidity **132**, 68

Criteria of homicide and suicide; Sharp force, Extended suicide **134**, 142

Critical care; Forensic toxicology, Lidocaine, Monoethylglycinexylidide, Endotracheal intubation, Cariopulmonary resuscitation **137**, 183

Croatia; Y chromosome, Short tandem repeats (STR), Haplotypes **138**, 127

Cross-reactivity; Clonazepam, 7-Aminoclonazepam, Oxazepam, ELISA **134**, 54

Cyamemazine; Forensic science, Toxicology, Autopsy, Death **137**, 13

Cyclohexanone; Derivatization, Amphetamines, Ephedrines, GC–MS **135**, 16

CYP2D6 gene; SNP analysis, Tramadol, Pharmacogenetics **135**, 9

Cytochrome b gene; Species identification, Rhinoceros, Phylogenetic study **136**, 1

Cytochrome b; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Collaborative Exercise, Heteroplasmy, Hair shafts, Animal identification, 12S, 16S **134**, 46

Cytochrome oxidase genes; Postmortem interval, Blowfly larvae, PCR–RFLP, mtDNA, Restriction enzymes **132**, 76

Cytochrome oxidase I; Calliphorid, Forensic entomology, Mitochondrial DNA **131**, 134

Cytochrome P450; Tramadol, Intoxication, Fatality, Benzodiazepine **134**, 57

3D graphic model; Forensic science, Patterned injuries, 3D/CAD, Photogrammetry, Wound morphology, Wound documentation **132**, 130

3D morphology; Non-Japanese faces, Facial identification, Superimposition, Anthropometry **135**, 122

3D/CAD scanner; Optical 3D surface digitizing, Forensic, Wound documentation, Reconstruction, Analysis, Virtual autopsy, Virtopsy **137**, 203

3D/CAD; Forensic science, Bite mark, Patterned injuries, Photogrammetry, Documentation, Analysis **135**, 115

3D/CAD; Forensic science, Patterned injuries, 3D graphic model, Photogrammetry, Wound morphology, Wound documentation **132**, 130

3D/CAD; Patterned injuries, Forensic photogrammetry, Forensic wound documentation, Morphological imprint, Reconstruction **132**, 177

Danes; Y chromosome, Short tandem repeats, Haplotype, Inuit **132**, 228

Death and tissue concentration; MDMA, MDA **135**, 110

Death certification; Expert panel, Query, Cause-of-death validation, Mortality statistics **131**, 113

Death scene; Autoerotic accident, Accidental autoerotic death, Cause-of-death, Psychical and social personality **137**, 41

Death; Alcohol, Alcoholism, Autopsy, Blood–ethanol, Urine, Urine/blood ratio **135**, 206

Death; Forensic science, Toxicology, Autopsy, Cyamemazine **137**, 13

Death; Jumping, Fall, Height **137**, 37

Death; Sudden, Sudden unexplained death, Pathology, Epidemiology, Childhood, Young **135**, 213

Decapitation; Road accidents, Multiple abrasions **135**, 237

Decomposed body; Forensic radiology, Computed tomography, Digital autopsy, Virtual autopsy, Virtopsy **134**, 109

Decomposition; Drowning, Pleural effusion **136**, 16

Defensin; Fibronectin, MRP8, MRP14, Wound age **131**, 156

Defibrillation; Electrical injury, Electrical torture **134**, 134

Deficiency cases; X-chromosome, STR markers, Population data **137**, 215

Degradation; Cardiac Troponin I, Postmortem marker, Necrosis, Proteolysis, Postmortem interval (PMI) **134**, 11

Demodex; Forensic autopsy, Mite, Contamination **135**, 226

Denaturant gradient gel electrophoresis (DGGE); Personal identification, PCR, Adhesive film, Blood groups **132**, 157

Dental age estimation; Forensic dentistry, Dental color, Spectroradiometry **132**, 57

Dental age estimation; Forensic science, Forensic odontology, Third molar **136**, 52

Dental age estimation; Human identification, Skeletalization, DNA profiling, Case study, Dismembered remains, Skull–photo superimposition, Age estimation with SEM **137**, 141

Dental age; Third molar, Dental development, Third molar agenesis, Orthopantomography **133**, 212

Dental color; Forensic dentistry, Dental age estimation, Spectroradiometry **132**, 57

Dental development; Third molar, Third molar agenesis, Dental age, Orthopantomography **133**, 212

Derivatization; Cyclohexanone, Amphetamines, Ephedrines, GC–MS **135**, 16

Dermal exposure; Kerosene, GC/MS, Area of exposure, Amount of exposure **133**, 141

Diacetylmorphine; Diamorphine, Comparison, Drug profiling, Cosine function modelling, Pattern recognition **132**, 139

Diacetylmorphine; Drug profiling, Cosine function modelling, Bayes' theorem, Likelihood ratio, Evidence evaluation **131**, 171

Diagnosis of vitality; Burned bodies, Cause of death, CO–Hb, Soot inhalation **135**, 197

Diamorphine; Diacetylmorphine, Comparison, Drug profiling, Cosine function modelling, Pattern recognition **132**, 139

Digital autopsy; Forensic radiology, Computed tomography, Virtual autopsy, Virtopsy, Decomposed body **134**, 109

Digital autopsy; Forensic science, Image-guided virtual autopsy, Virtopsy, Gunshot, Forensic, Postmortem, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

Digoxin; Verapamil, Metoprolol, Poisoning, Drug interaction **133**, 107

Diptera; Forensic entomology, Post-mortem interval, Eggs **135**, 27

Discriminant analysis; Forensic chemistry, Forensic document examination, Principal component analysis, Vis spectrophotometry, Blue ball-point pen ink **138**, 75

Discriminant function analysis; Odontometrics, Identification, Bucco-lingual dimension, Sexual dimorphism, Turks **137**, 160

Discrimination analysis; Hair form, Japanese head hair, Image analysis **131**, 202

Discrimination; Glass, Elemental analysis, Classification, Neural networks, Linear discriminant analysis **137**, 107

Dismember lower extremity; Stature estimation, Anthropometry, Regression analysis, Mass disaster, Turks **132**, 40

Dismembered remains; Human identification, Skeletalization, DNA profiling, Dental age estimation, Case study, Skull–photo superimposition, Age estimation with SEM **137**, 141

Distance decay; Geographical profiling, Journey-to-crime, Serial rape **131**, 42

Distribution pattern; Pump-action shotgun, Range estimation, Pellets **132**, 211

Dizocilpine; MK-801, Phencyclidine, Post-mortem, Human, Toxicology **133**, 113

D-loop; Canine, Control region, Haplotype database **133**, 235

DNA interpretation; Product rule, Subpopulation effects **135**, 1

DNA mixtures; Forensic casework, Mixed STR profiles **134**, 180

DNA profiling; Human identification, Skeletalization, Dental age estimation, Case study, Dismembered remains, Skull–photo superimposition, Age estimation with SEM **137**, 141

DNA profiling; Paternity testing, Kinship determinations, Computer programs **136**, 22

DNA; Laser capture microdissection/LCM/LM, Preferential lysis, Short tandem repeats (STRs) **137**, 28

DNA; Mass fatality, Tunnel fire, Identification, Carbon monoxide **138**, 1

DNA; RNA, STR, Blood, Semen **136**, 76

DNA; Software, Paternity analysis, Coancestry coefficients **135**, 232

DNA; STR, Temperature, Sizing **133**, 228

Documentation; Forensic science, Bite mark, Patterned injuries, 3D/CAD, Photogrammetry, Analysis **135**, 115

Driving under the influence; GHB, Chemical submission, Post-mortem material, Blood, Urine **133**, 17

Driving; Alcohol, Cannabis, Opiates, Cocaine, Amphetamines, Benzodiazepines, Traffic accident, Drug of abuse, Accidents **133**, 79

Driving; Drugs, Alcohol, Australia, Forensic toxicology **134**, 154

Driving; Forensic science, Xylazine, Impairment **134**, 25

Driving; Medicolegal problems, Methadone, Substitution, Drug deaths, Prescription rules **133**, 118

Drowning; Forensic science, Strontium, Blood **137**, 55

Drowning; Lung histology, Elderly, Morphometry, Image analysis **134**, 93

Drowning; Pleural effusion, Decomposition **136**, 16

Drowning; Postmortem effects, Asphyxiation, Organ weight, Endogenous alcohol **133**, 190; **137**, 239

Drug deaths; Medicolegal problems, Methadone, Substitution, Driving, Prescription rules **133**, 118

Drug interaction; Verapamil, Metoprolol, Digoxin, Poisoning **133**, 107

Drug of abuse; Alcohol, Cannabis, Opiates, Cocaine, Amphetamines, Benzodiazepines, Driving, Traffic accident, Accidents **133**, 79

Drug of abuse; Forensic toxicology, Hair, Tramadol analysis, Jordan **135**, 129

Drug overdose; Zaleplon, Suicide, Fatality, Forensic science **134**, 120

Drug profiling; Cosine function modelling, Bayes' theorem, Likelihood ratio, Evidence evaluation, Diacetylmorphine **131**, 171

Drug profiling; Diamorphine, Diacetylmorphine, Comparison, Cosine function modelling, Pattern recognition **132**, 139

Drug; *Cannabis sativa*, Microsatellites, Short tandem repeats (STR), Fibre **131**, 65

Drug-facilitated sexual assault; Hair analysis, SPME, GC–MS-MS, Thiopental, Pentobarbital **133**, 171

Drug-related death; Methadone, Maintenance treatment, Toxicological screening **132**, 195

Drug-related fatalities of morphine-addicts; Human cerebral cortex, μ-Opioid receptor, Immunohistochemistry **133**, 204

Drugs of abuse; EMIT, Immunoassays, Screening, Whole blood **131**, 148

Drugs of abuse; Hair analysis, Proficiency test **133**, 175

Drugs; Alcohol, Driving, Australia, Forensic toxicology **134**, 154

Drugs; Withdrawal syndrome, Opiates, Cocaine, Cannabinoids, Methadone **133**, 57

Drunk drivers; Analysis, Ethanol, Ethyl glucuronide, Creatinine, Urine **133**, 86

Drunk driving; Alcohol, Analysis, Blood, Breath, Ethanol, Intoxilyzer 5000S, Pharmacokinetics **132**, 18

D18S51; D3S1358, D8S1179, Forensic, Population data, STR **138**, 104

D3S1358; D8S1179, D18S51, Forensic, Population data, STR **138**, 104

D8S1179; D3S1358, D18S51, Forensic, Population data, STR **138**, 104

D17S30; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, ApoB, D1S80 **137**, 100

D1S80; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB **137**, 100

D7S8; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

D8S1179; Primer binding site mutation, AmpF*ℓ*STR®, Multiplex, PCR, STR, Validation **133**, 220

DXS6803; Forensic DNA typing, Paternity testing, Short tandem repeat, DXS9895 **133**, 246

DXS9895; Forensic DNA typing, Paternity testing, Short tandem repeat, DXS6803 **133**, 246

DYS19; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS385; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS388; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS389; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS390; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS391; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS392; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS393; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS425; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS434; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS437; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434,

DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS438; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS439; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

DYS461; Y-chromosome STRs, GATA C4, DYS438, DYS438, DYS439, GATA H4, GATA A10, Colombian population **135**, 243

DYS438; Y-chromosome STRs, GATA C4, DYS438, DYS439, GATA H4, GATA A10, DYS461, Colombian population **135**, 243, 243

DYS439; Y-chromosome STRs, GATA C4, DYS438, DYS438, GATA H4, GATA A10, DYS461, Colombian population **135**, 243

DYS464; Y-chromosome, Short tandem repeat, Y-STR, Minimal haplotype, Population study, Mutation rate, Forensics **137**, 221

DYS434; Y-STR, DYS435, DYS436, DYS437, DYS438, DYS439, Gene diversity, Haplotype, Koreans **136**, 89

DYS435; Y-STR, DYS434, DYS436, DYS437, DYS438, DYS439, Gene diversity, Haplotype, Koreans **136**, 89

DYS436; Y-STR, DYS434, DYS435, DYS437, DYS438, DYS439, Gene diversity, Haplotype, Koreans **136**, 89

DYS437; Y-STR, DYS434, DYS435, DYS436, DYS438, DYS439, Gene diversity, Haplotype, Koreans **136**, 89

DYS438; Y-STR, DYS434, DYS435, DYS436, DYS437, DYS439, Gene diversity, Haplotype, Koreans **136**, 89

DYS439; Y-STR, DYS434, DYS435, DYS436, DYS437, DYS438, Gene diversity, Haplotype, Koreans **136**, 89

Eastern Anatolia region; Short tandem repeat (STR), Population data, Forensics, PowerPlex® 16, Van–Ağrı districts, Turkey **135**, 60

Ecstasy; Forensic science, NIR, MDMA, MDE, Amphetamine **134**, 187

Ecstasy; Heroin, Cocaine, Amphetamine, Street level **131**, 162

Ecuador; STRs, Forensic genetics, Population data, Mestizo **135**, 64

Eggs; Forensic entomology, Post-mortem interval, Diptera **135**, 27

Elderly; Lung histology, Drowning, Morphometry, Image analysis **134**, 93

Electrical injury; Defibrillation, Electrical torture **134**, 134

Electrical torture; Defibrillation, Electrical injury **134**, 134

Electron capture detection; Gas chromatography, High explosives, Post-blast residues, Trace analysis **137**, 6

Elemental analysis; Glass, Classification, Neural networks, Linear discriminant analysis, Discrimination **137**, 107

ELISA; Clonazepam, 7-Aminoclonazepam, Oxazepam, Cross-reactivity **134**, 54

Embalming; Formalin-fixed tissues, Toxicology, Autopsy, Morphine, Heroin **134**, 36

EMIT; Drugs of abuse, Immunoassays, Screening, Whole blood **131**, 148

Endogenous alcohol; Drowning, Postmortem effects, Asphyxiation, Organ weight **133**, 190; **137**, 239

Endotracheal intubation; Forensic toxicology, Critical care, Lidocaine, Monoethylglycinexylidide, Cariopulmonary resuscitation **137**, 183

Environmental contamination; Sweat, Urine, Cocaine **133**, 63

(±)-Ephedrine; Capillary electrophoresis, Chiral separation, (±)-Methamphetamine, (±)-Methcathinone, (±)-Pseudoephedrine **134**, 17

Ephedrines; Cyclohexanone, Derivatization, Amphetamines, GC–MS **135**, 16

Epidemiology; Death, Sudden, Sudden unexplained death, Pathology, Childhood, Young **135**, 213

Erupted teeth; Age determination, Children, Tooth germs, Multiple regression analysis **132**, 49

Ethanol; Alcohol, Analysis, Blood, Breath, Drunk driving, Intoxilyzer 5000S, Pharmacokinetics **132**, 18

Ethanol; Analysis, Ethyl glucuronide, Creatinine, Drunk drivers, Urine **133**, 86

Ethyl centralite; Organic gunshot residues, Hair analysis, Gunpowder additive, Nitroglycerin, Capillary electrophoresis **135**, 167

Ethyl glucuronide; Analysis, Ethanol, Creatinine, Drunk drivers, Urine **133**, 86

Europe; Y-STR haplotypes, Haplotype frequency distributions **134**, 172

Euthanasia; Suicide, Barbiturates, Pentobarbital, Veterinary **131**, 103

Evidence evaluation; Drug profiling, Cosine function modelling, Bayes' theorem, Likelihood ratio, Diacetylmorphine **131**, 171

Evidential value; Hair, Fabric **138**, 27

Exhumation; Mass graves, Archaeology, Anthropology, Site formation, Postmortem examination, Monitoring protocol **134**, 81

Experiment; Forensic science, Bone, Fracture, Gunshot, Ballistics, Body model, Synthetic model **138**, 44

Expert panel; Death certification, Query, Cause-of-death validation, Mortality statistics **131**, 113

Extended suicide; Sharp force, Criteria of homicide and suicide **134**, 142

Fabric; Hair, Evidential value **138**, 27

Facial identification; Non-Japanese faces, 3D morphology, Superimposition, Anthropometry **135**, 122

Faecal material; Wildlife identification, Universal primers, Forensics **137**, 16

Fall from height; Complex suicide, Self-incineration **131**, 197

Fall; Jumping, Height, Death **137**, 37

FAS; Criminalistics, Forensic, Assistance, Support, Quality management **132**, 125

Fatal acute intoxication; Trichloroethylene, Inhalation, Headspace, Mass spectrometry **134**, 115

Fatal drug poisonings; Forensic toxicology, Medico-legal cause-of-death determination, Cause-of-death coding, Mortality statistics **136**, 35

Fatal forensic intoxication; Fenarimol, HPLC/PDA/MSD **133**, 95

Fatal neck trauma; Immunohistochemistry, Wound age **135**, 218

Fatal poisoning: clozapine; Post-mortem redistribution: clozapine, Plasma:whole blood distribution: clozapine, Fatal poisoning: interpretation of results **132**, 9

Fatal poisoning: interpretation of results; Fatal poisoning: clozapine, Post-mortem redistribution: clozapine, Plasma:whole blood distribution: clozapine **132**, 9

Fatal poisoning; Unnatural death, Forensic medicine, Poisonous agents, Post-mortem examinations **133**, 125

Fatalities; Methyl alcohol, Intoxication **131**, 36

Fatality; Tramadol, Intoxication, Benzodiazepine, Cytochrome P450 **134**, 57

Fatality; Zaleplon, Suicide, Forensic science, Drug overdose **134**, 120

Fatty acid ethyl esters; Alcohol markers in hair, Hair analysis, Hair care products **131**, 90

Female; Violence, Victim, Motive, Personality disorder **133**, 197

Fenarimol; Fatal forensic intoxication, HPLC/PDA/MSD **133**, 95

Fetus; Histopathology, Conduction system, Forensic practice **136**, 12

Fibers; Trace evidence, Significance **135**, 146

Fibre finder system; Maxcan system, Tape lifts, Trace evidence **135**, 137

Fibre; *Cannabis sativa*, Microsatellites, Short tandem repeats (STR), Drug **131**, 65

Fibronectin; MRP8, MRP14, Defensin, Wound age **131**, 156

Film-edge marks; Criminalistics, Photography-related evidence, Camera identity, Photomicrography **134**, 123

Firearms; Criminalistic, Sharp-pointed weapons, Instruments **132**, 113

Fit-for-purpose; Breath alcohol, Variability, Confidence intervals, Limit-of-detection, Limit-of-quantitation **131**, 30

Flunitrazepam; Violence, Anterograde amnesia, Forensic analyses, Forensic psychiatry, Urine sample **137**, 21

Fluorescence polarization; TDxFLx®, Immunoassay, Binding constant, Amphetamine, 11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid, Abused drugs **131**, 1

Fluoride; Acute toxicity, Bone, Biomarker **137**, 209

Footwear impressions; Leucocrystal violet, LCV, Spectral enhancement, Optical enhancement, Blood **132**, 117

Forensic analyses; Flunitrazepam, Violence, Anterograde amnesia, Forensic psychiatry, Urine sample **137**, 21

Forensic autopsy; Amniotic fluid embolism, Motor vehicle accident, Safety restraints, Trauma in pregnancy, Mast cells, Tryptase **137**, 231

Forensic autopsy; Demodex, Mite, Contamination **135**, 226

Forensic casework; DNA mixtures, Mixed STR profiles **134**, 180

Forensic casework; Mitochondrial DNA, SSCP, Silver staining, Identification **133**, 242

Forensic chemistry; Forensic document examination, Principal component analysis, Discriminant analysis, Vis spectrophotometry, Blue ball-point pen ink **138**, 75

Forensic dentistry; Dental color, Dental age estimation, Spectroradiometry **132**, 57

Forensic DNA typing; Paternity testing, Short tandem repeat, DXS6803, DXS9895 **133**, 246

Forensic document examination; Forensic chemistry, Principal component analysis, Discriminant analysis, Vis spectrophotometry, Blue ball-point pen ink **138**, 75

Forensic entomology; Blow flies, Blood stain pattern interpretation, Blood spatter artifacts **137**, 152

Forensic entomology; Blowflies, PMI, Larval length, Larval killing methods, Larval preservation methods **138**, 50

Forensic entomology; Calliphorid, Cytochrome oxidase I, Mitochondrial DNA **131**, 134

Forensic entomology; Post-mortem interval, Eggs, Diptera **135**, 27

Forensic entomology; Postmortem interval, Seasonal dating, Calliphoridae **132**, 173

Forensic genetics; Ecuador, STRs, Population data, Mestizo **135**, 64

Forensic genetics; Forensic identification, Probabilistic Expert Systems, Bayesian networks **134**, 196

Forensic genetics; Y-chromosome STRs, PCR multiplex, Population genetics **134**, 29

Forensic genetics; Y-chromosome, Short tandem repeat, Population genetics, Argentina **137**, 217

Forensic identification; Forensic genetics, Probabilistic Expert Systems, Bayesian networks **134**, 196

Forensic medicine; Autopsy case, Aortic dissection, Blunt chest trauma **132**, 5

Forensic medicine; Fatal poisoning, Unnatural death, Poisonous agents, Post-mortem examinations **133**, 125

Forensic medicine; Torture, Refugees, Trauma, PTSD **137**, 133

Forensic medicine; Trauma scoring, Turkish injury scale, AIS, Comparison **132**, 1

Forensic odontology; Forensic science, Dental age estimation, Third molar **136**, 52

Forensic odontology; Permanent tooth length, Tooth apex width, Radiographs, Age estimation **131**, 22

Forensic pathology; Ligature strangulation, Homicide, Suicide **137**, 60

Forensic photogrammetry; Patterned injuries, 3D/CAD, Forensic wound documentation, Morphological imprint, Reconstruction **132**, 177

Forensic practice; Histopathology, Conduction system, Fetus **136**, 12

Forensic psychiatry; Flunitrazepam, Violence, Anterograde amnesia, Forensic analyses, Urine sample **137**, 21

Forensic radiology; Computed tomography, Digital autopsy, Virtual autopsy, Virtopsy, Decomposed body **134**, 109

Forensic science; Authorship, Bibliometrics, Impact factor, Journals, Toxicology **133**, 1

Forensic science; Bite mark, Patterned injuries, 3D/CAD, Photogrammetry, Documentation, Analysis **135**, 115

Forensic science; Bone, Fracture, Gunshot, Ballistics, Body model, Synthetic model, Experiment **138**, 44

Forensic science; Criminalistics, Gunshot residues, Particle distribution **132**, 99

Forensic science; Drowning, Strontium, Blood **137**, 55

Forensic science; Forensic odontology, Dental age estimation, Third molar **136**, 52

Forensic science; HumD21S11, Sub-population data, Population genetics, STR profiling, Variant alleles **135**, 35

Forensic science; Image-guided virtual autopsy, Digital autopsy, Virtopsy, Gunshot, Forensic, Postmortem, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

Forensic science; Mummy, Chosun dynasty, Microscopic study, Radiocarbon dating **137**, 172

Forensic science; NIR, MDMA, MDE, Amphetamine, Ecstasy **134**, 187

Forensic science; Patterned injuries, 3D/CAD, 3D graphic model, Photogrammetry, Wound morphology, Wound documentation **132**, 130

Forensic science; Toxicology, Autopsy, Cyamemazine, Death **137**, 13

Forensic science; Xylazine, Driving, Impairment **134**, 25

Forensic science; Y chromosome, Short tandem repeats, Han ethnic group, Chinese **138**, 123

Forensic science; Zaleplon, Suicide, Fatality, Drug overdose **134**, 120

Forensic test; Tiger specific primer, Single hair, Wildlife trade **131**, 75

Forensic toxicology; Critical care, Lidocaine, Monoethylglycinexylidide, Endotracheal intubation, Cariopulmonary resuscitation **137**, 183

Forensic toxicology; Drugs, Alcohol, Driving, Australia **134**, 154

Forensic toxicology; Fatal drug poisonings, Medico-legal cause-of-death determination, Cause-of-death coding, Mortality statistics **136**, 35

Forensic toxicology; Gamma hydroxybutyrate, Gas chromatography with mass spectrometry **133**, 9

Forensic toxicology; Hair, Tramadol analysis, Drug of abuse, Jordan **135**, 129

Forensic toxicology; Postmortem drug testing, Nitrazepam, 7-Aminonitrazepam, Stability of nitrazepam, Tissue distribution **131**, 108

Forensic typing standardization; STR typing, Quality control, K562, GM9947, GM9948, GM3657 **138**, 37

Forensic wound documentation; Patterned injuries, Forensic photogrammetry, 3D/CAD, Morphological imprint, Reconstruction **132**, 177

Forensic; Criminalistics, FAS, Assistance, Support, Quality management **132**, 125

Forensic; D3S1358, D8S1179, D18S51, Population data, STR **138**, 104

Forensic; Forensic science, Image-guided virtual autopsy, Digital autopsy, Virtopsy, Gunshot, Postmortem, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

Forensic; Imidazoline, Naphazoline, Intoxication, Children, Pediatric **134**, 234

Forensic; Optical 3D surface digitizing, 3D/CAD scanner, Wound documentation, Reconstruction, Analysis, Virtual autopsy, Virtopsy **137**, 203

Forensic; Species identification, Mitochondrial DNA, *TP53*, Ribosomal RNA, β-Actin **134**, 99

Forensic; Subpopulations, STRs, Fst, Independence tests **131**, 184

Forensics; Faecal material, Wildlife identification, Universal primers **137**, 16

Forensics; Mozambique, Y-STRs, Population studies, Haplotype diversity **134**, 126

Forensics; Short tandem repeat (STR), Population data, PowerPlex® 16, Van–Ağrı districts, Eastern Anatolia region, Turkey **135**, 60

Forensics; Y-chromosome, DYS464, Short tandem repeat, Y-STR, Minimal haplotype, Population study, Mutation rate **137**, 221

Formalin-fixed tissues; Embalming, Toxicology, Autopsy, Morphine, Heroin **134**, 36

Formic acid; Methanol intoxication, Poisoning index, Post-mortem analysis, Tissue concentration **133**, 152

Fracture; Forensic science, Bone, Gunshot, Ballistics, Body model, Synthetic model, Experiment **138**, 44

Fragmentation; Bullet–body interaction, Projectile deformation, Ballistic, Grazing, Tangential gunshot, Skull–Brain Model, High-speed documentation **132**, 93

Frequency of occurrence of primer residues; Gunshot residues (GSR), SEM–EDX automatic search, Chemometry, Mann–Whitney test, Cluster analysis **135**, 97

Fst; Forensic, Subpopulations, STRs, Independence tests **131**, 184

Gamma hydroxybutyrate; Gas chromatography with mass spectrometry, Forensic toxicology **133**, 9

Gamma-hydroxy butyric acid; Head-space gas chromatography, Rhabdomyolisis **133**, 256

Gas chromatography with mass spectrometry; Gamma hydroxybutyrate, Forensic toxicology **133**, 9

Gas chromatography; 3,4-Methylenedioxymethamphetamine (MDMA), Impurities, Mass spectrometry, Profiling **132**, 182

Gas chromatography; Electron capture detection, High explosives, Post-blast residues, Trace analysis **137**, 6

Gas chromatography; Methamphetamine, Impurities **135**, 42

Gas chromatography; SPME, Standard practice, Ignitable liquid **132**, 63

Gas chromatography–mass spectrometry; Cathinone in hair, Hair analysis, Khat chewers, Norephedrine in hair, Norpseudoephedrine in hair **133**, 39

Gas chromatography–mass spectrometry; Gasoline, Artificial neural networks, Principal component analysis **132**, 26

Gas chromatography–mass spectrometry; Hair analysis, Recovery, Solid phase extraction, Opiates, Cocaine **138**, 17

Gasoline; Artificial neural networks, Gas chromatography–mass spectrometry, Principal component analysis **132**, 26

Gastric lavage; Pholedrine, Lethal intoxication, LC-MS/MS **133**, 101

GATA A10; Y-chromosome STRs, GATA C4, DYS438, DYS438, DYS439, GATA H4, DYS461, Colombian population **135**, 243

GATA C4; Y-chromosome STRs, DYS438, DYS438, DYS439, GATA H4, GATA A10, DYS461, Colombian population **135**, 243

GATA H4; Y-chromosome STRs, GATA C4, DYS438, DYS438, DYS439, GATA A10, DYS461, Colombian population **135**, 243

GC/MS; Kerosene, Dermal exposure, Area of exposure, Amount of exposure **133**, 141

GC/MS; Saliva, SPME **134**, 40

GC; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

GC–FID; CO-oximetry, Carboxyhaemoglobin, Putrefied blood, Carbon monoxide poisoning **132**, 153

GC–MS; Benzodiazepines, Hair, Incorporation rates, HPLC **133**, 47

GC–MS; Chemical fingerprinting, Liquid gasoline, Unevaporated automotive samples, PCA **134**, 1

GC–MS; Cyclohexanone, Derivatization, Amphetamines, Ephedrines **135**, 16

GC–MS-MS; Drug-facilitated sexual assault, Hair analysis, SPME, Thiopental, Pentobarbital **133**, 171

Gelatine block; Contact wound, Wound ballistic parameters **133**, 183

Gene diversity; Y-STR, DYS434, DYS435, DYS436, DYS437, DYS438, DYS439, Haplotype, Koreans **136**, 89

Geneprint™ STR; Short tandem repeat, Population data, Morocco **132**, 82

Genetic admixture; STR, Human population, São Paulo, Brazil **135**, 67

Genetic diversity; Maharashtra tribes, Powerplex 16™ **134**, 225

Genotyping; Y chromosome, Single nucleotide polymorphism, Multiplex PCR, Minisequencing **137**, 74

Geographical profiling; Journey-to-crime, Serial rape, Distance decay **131**, 42

GEP-ISFG; Y-chromosome STRs, PCR multiplex **135**, 158

GEP-ISFG; Y-STR haplotypes, Population genetics **135**, 150

GHB; Chemical submission, Driving under the influence, Postmortem material, Blood, Urine **133**, 17

Glass; Elemental analysis, Classification, Neural networks, Linear discriminant analysis, Discrimination **137**, 107

GM3657; STR typing, Quality control, Forensic typing standardization, K562, GM9947, GM9948 **138**, 37

GM9947; STR typing, Quality control, Forensic typing standardization, K562, GM9948, GM3657 **138**, 37

GM9948; STR typing, Quality control, Forensic typing standardization, K562, GM9947, GM3657 **138**, 37

Grazing; Bullet–body interaction, Projectile deformation, Fragmentation, Ballistic, Tangential gunshot, Skull–Brain Model, High-speed documentation **132**, 93

Greece; STRs, Population data **137**, 104

Gunpowder additive; Organic gunshot residues, Hair analysis, Nitroglycerin, Ethyl centralite, Capillary electrophoresis **135**, 167

Gunshot residues (GSR); SEM–EDX automatic search, Frequency of occurrence of primer residues, Chemometry, Mann–Whitney test, Cluster analysis **135**, 97

Gunshot residues; Ammunition, Target, Muzzle, Muzzle-target angle **138**, 68

Gunshot residues; Forensic science, Criminalistics, Particle distribution **132**, 99

Gunshot; Forensic science, Bone, Fracture, Ballistics, Body model, Synthetic model, Experiment **138**, 44

Gunshot; Forensic science, Image-guided virtual autopsy, Digital autopsy, Virtopsy, Forensic, Postmortem, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

GYPA; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

^{1}H NMR spectroscopy; Biological fluids, Poisoning, Xenobiotics **133**, 132

Haematoma; Iron-locking rim, Crane tyre **138**, 111

Hair analysis; Alcohol markers in hair, Fatty acid ethyl esters, Hair care products **131**, 90

Hair analysis; Cannabinoids, SPDE, SPME **133**, 32

Hair analysis; Cathinone in hair, Gas chromatography–mass spectrometry, Khat chewers, Norephedrine in hair, Norpseudoephedrine in hair **133**, 39

Hair analysis; Contamination, Heroin, Opiates **131**, 98

Hair analysis; Drug-facilitated sexual assault, SPME, GC–MS-MS, Thiopental, Pentobarbital **133**, 171

Hair analysis; Drugs of abuse, Proficiency test **133**, 175

Hair analysis; Organic gunshot residues, Gunpowder additive, Nitroglycerin, Ethyl centralite, Capillary electrophoresis **135**, 167

Hair analysis; Recovery, Solid phase extraction, Gas chromatography–mass spectrometry, Opiates, Cocaine **138**, 17

Hair care products; Alcohol markers in hair, Fatty acid ethyl esters, Hair analysis **131**, 90

Hair form; Japanese head hair, Image analysis, Discrimination analysis **131**, 202

Hair shafts; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Collaborative Exercise, Heteroplasmy, Animal identification, Cytochrome b, 12S, 16S **134**, 46

Hair; Benzodiazepines, Incorporation rates, GC–MS, HPLC **133**, 47

Hair; Evidential value, Fabric **138**, 27

Hair; Forensic toxicology, Tramadol analysis, Drug of abuse, Jordan **135**, 129

Hair; Hippuric acid, *o*-, *m*-, and *p*-methyl hippuric acids **133**, 146

Han ethnic group; Forensic science, Y chromosome, Short tandem repeats, Chinese **138**, 123

Handwriting; Questioned documents, Alcohol, Turkey **132**, 201

Haplogroups; Mitochondrial DNA, Population study, Haplotypes **137**, 125

Haplotype database; Canine, Control region, D-loop **133**, 235

Haplotype diversity; Mozambique, Y-STRs, Population studies, Forensics **134**, 126

Haplotype frequency distributions; Europe, Y-STR haplotypes **134**, 172

Haplotype; MtDNA, Control region, HVR-I, HVR-II, Karnataka, India **136**, 79

Haplotype; Y chromosome, Short tandem repeats, Caucasus, Turkey, Iran **137**, 85

Haplotype; Y chromosome, Short tandem repeats, Inuit, Danes **132**, 228

Haplotype; Y-STR, DYS434, DYS435, DYS436, DYS437, DYS438, DYS439, Gene diversity, Koreans **136**, 89

Haplotypes; Mitochondrial DNA, Population study, Haplogroups **137**, 125

Haplotypes; Y chromosome, Short tandem repeats (STR), Croatia **138**, 127

Haplotypes; Y-chromosome, Insertion polymorphism, North Poland **131**, 209

Hardy–Weinberg equilibrium; STR loci, Allele frequencies **131**, 218

Hardy–Weinberg expectation; Short tandem repeats (STRs), Allele frequency **137**, 97

HBGG; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

Head trauma; Shot wounds, Blank cartridges, Tear-gas cartridge, Suicide **137**, 45

Head-space gas chromatography; Gamma-hydroxy butyric acid, Rhabdomyolisis **133**, 256

Headspace; Trichloroethylene, Fatal acute intoxication, Inhalation, Mass spectrometry **134**, 115

Height; Jumping, Fall, Death **137**, 37

Hemolysis; Trauma, Mast cells, Tryptase, Post-mortem **131**, 8

Herbicide; Basagran®, Bentazone, Lethal blood concentration **135**, 235

Heroin; 6-Acetylmorphine, Morphine, Codeine, Oral fluid, Prevalence, Alternate matrices, Workplace drug testing **133**, 22

Heroin; Cocaine, Amphetamine, Ecstasy, Street level **131**, 162

Heroin; Formalin-fixed tissues, Embalming, Toxicology, Autopsy, Morphine **134**, 36

Heroin; Hair analysis, Contamination, Opiates **131**, 98

Heteroplasmy; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Collaborative Exercise, Hair shafts, Animal identification, Cytochrome b, 12S, 16S **134**, 46

High explosives; Gas chromatography, Electron capture detection, Post-blast residues, Trace analysis **137**, 6

High-speed documentation; Bullet–body interaction, Projectile deformation, Fragmentation, Ballistic, Grazing, Tangential gunshot, Skull–Brain Model **132**, 93

Hippuric acid; Hair, *o*-, *m*-, and *p*-methyl hippuric acids **133**, 146

Histopathology; Conduction system, Fetus, Forensic practice **136**, 12

HLA-DQA1; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

Homicide; Ligature strangulation, Suicide, Forensic pathology **137**, 60

Homicide–suicide; Intimate killings, Hong Kong, Chinese **137**, 165

Hong Kong; Homicide–suicide, Intimate killings, Chinese **137**, 165

HPLC/PDA/MSD; Fenarimol, Fatal forensic intoxication **133**, 95

HPLC; Benzodiazepines, Hair, Incorporation rates, GC–MS **133**, 47

HPLC; Noradrenaline, Adrenaline **132**, 46

Human cerebral cortex; Drug-related fatalities of morphine-addicts, μ-Opioid receptor, Immunohistochemistry **133**, 204

Human identification; Skeletalization, DNA profiling, Dental age estimation, Case study, Dismembered remains, Skull–photo superimposition, Age estimation with SEM **137**, 141

Human identification; STR polymorphism, Amelogenin, HWE, Statistical probability, Mizoram populations **132**, 216

Human population; STR, Genetic admixture, São Paulo, Brazil **135**, 67

Human; Dizocilpine, MK-801, Phencyclidine, Post-mortem, Toxicology **133**, 113

HumD21S11; Sub-population data, Population genetics, STR profiling, Variant alleles, Forensic science **135**, 35

HVR-I; MtDNA, Control region, HVR-II, Haplotype, Karnataka, India **136**, 79

HVR-II; MtDNA, Control region, HVR-I, Haplotype, Karnataka, India **136**, 79

HWE; STR polymorphism, Amelogenin, Human identification, Statistical probability, Mizoram populations **132**, 216

1-Hydroxy-1-phenyl-2-propanone; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation, Metabolites **134**, 62

2-Hydroxy-1-phenyl-1-propanone; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation, Metabolites **134**, 62

Hypervariable regions (HVRs); Mitochondrial DNA, Sequencing, Polymorphism **135**, 48

Hypopituitarism; Hypothalamic germinoma, Cardiac microvascular disease, Sudden death **137**, 1

Hypothalamic germinoma; Hypopituitarism, Cardiac microvascular disease, Sudden death **137**, 1

Identification; Mass fatality, Tunnel fire, Carbon monoxide, DNA **138**, 1

Identification; Mitochondrial DNA, SSCP, Silver staining, Forensic casework **133**, 242

Identification; Odontometrics, Discriminant function analysis, Bucco-lingual dimension, Sexual dimorphism, Turks **137**, 160

Ig-J_H; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, D17S30, ApoB, D1S80 **137**, 100

Ignitable liquid; SPME, Standard practice, Gas chromatography **132**, 63

Illicit growing; Cannabis, Naphthalene **138**, 91

Image analysis; Hair form, Japanese head hair, Discrimination analysis **131**, 202

Image analysis; Lung histology, Elderly, Drowning, Morphometry **134**, 93

Image-guided virtual autopsy; Forensic science, Digital autopsy, Virtopsy, Gunshot, Forensic, Postmortem, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

Imidazoline; Naphazoline, Intoxication, Children, Pediatric, Forensic **134**, 234

Immature; Innominate bone, Ischium, Sex, Age **135**, 188

Immunoassay; TDxFLx®, Binding constant, Amphetamine, 11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid, Fluorescence polarization, Abused drugs **131**, 1

Immunoassays; Drugs of abuse, EMIT, Screening, Whole blood **131**, 148

Immunohistochemistry; Fatal neck trauma, Wound age **135**, 218

Immunohistochemistry; Human cerebral cortex, Drug-related fatalities of morphine-addicts, μ-Opioid receptor **133**, 204

Impact factor; Authorship, Bibliometrics, Forensic science, Journals, Toxicology **133**, 1

Impairment; Forensic science, Xylazine, Driving **134**, 25

Impulse transmitted; Loss of energy, Retardation factor, Pressure on impact, Soft nose ammunition, Sporting rifle, Regression coefficient **135**, 181

Impurities; 3,4-Methylenedioxymethamphetamine (MDMA), Gas chromatography, Mass spectrometry, Profiling **132**, 182

Impurities; Methamphetamine, Gas chromatography **135**, 42

Incised wounds; Stab wounds, Bone lesion, Cartilage lesion, Skeleton, Autopsy **131**, 131

Incorporation rates; Benzodiazepines, Hair, GC–MS, HPLC **133**, 47

Independence tests; Forensic, Subpopulations, STRs, Fst **131**, 184

India; MtDNA, Control region, HVR-I, HVR-II, Haplotype, Karnataka **136**, 79

Indonesians; Population data, Short tandem repeats, AmpFLSTR Profiler Kit, Bangladeshis **135**, 72

Influence of diluents; PMMA, Markers, Leuckart method, SPE/TLC profiling **134**, 207

Inhalation; Trichloroethylene, Fatal acute intoxication, Headspace, Mass spectrometry **134**, 115

Innominate bone; Ischium, Immature, Sex, Age **135**, 188

iNOS; Post-mortem, PMI, Calmodulin binding proteins, Muscle, Lung, MARCKS, CaMKII, Calcineurin **131**, 140

Insertion polymorphism; Haplotypes, Y-chromosome, North Poland **131**, 209

Instruments; Criminalistic, Firearms, Sharp-pointed weapons **132**, 113

Interdisciplinary co-operation; Munchausen syndrome by proxy, Child abuse, Poisoning, Clozapine, Clonidine, Medicolegal expert **137**, 147

Intestinal obstruction; Meckel's diverticulum, Mesodiverticular band, Unexpected death **138**, 114

Intimate killings; Homicide–suicide, Hong Kong, Chinese **137**, 165

Intoxication; Imidazoline, Naphazoline, Children, Pediatric, Forensic **134**, 234

Intoxication; Methyl alcohol, Fatalities **131**, 36

Intoxication; Tramadol, Fatality, Benzodiazepine, Cytochrome P450 **134**, 57

Intoxilyzer 5000S; Alcohol, Analysis, Blood, Breath, Drunk driving, Ethanol, Pharmacokinetics **132**, 18

Inuit; Y chromosome, Short tandem repeats, Haplotype, Danes **132**, 228

Ion mobility spectrometry (IMS); Triacetone triperoxide (TATP), Raman, NMR **135**, 53

Iran; Y chromosome, Short tandem repeats, Haplotype, Caucasus, Turkey **137**, 85

Iron-locking rim; Crane tyre, Haematoma **138**, 111

Ischemia; Pulmonary embolism, Right ventricle, Macrophage **134**, 147

Ischium; Innominate bone, Immature, Sex, Age **135**, 188

Japanese head hair; Hair form, Image analysis, Discrimination analysis **131**, 202

Japanese population; Short tandem repeat (STR), PowerPlex™ 16, AmpFlSTR Identifiler™ **133**, 250

Japanese population; Short tandem repeats, AmpFℓSTR Profiler PCR amplification kit **132**, 166

Joint genotype probability; Kinship coefficient, Kinship testing, Likelihood ratio, Population subdivision **135**, 105

Jordan; Forensic toxicology, Hair, Tramadol analysis, Drug of abuse **135**, 129

Journals; Authorship, Bibliometrics, Forensic science, Impact factor, Toxicology **133**, 1

Journey-to-crime; Geographical profiling, Serial rape, Distance decay **131**, 42

Jumping; Fall, Height, Death **137**, 37

K562; STR typing, Quality control, Forensic typing standardization, GM9947, GM9948, GM3657 **138**, 37

Karnataka; MtDNA, Control region, HVR-I, HVR-II, Haplotype, India **136**, 79

Kerosene; Dermal exposure, GC/MS, Area of exposure, Amount of exposure **133**, 141

Ketamine; MDMA, Rave party **136**, 47

Khat chewers; Cathinone in hair, Gas chromatography–mass spectrometry, Hair analysis, Norephedrine in hair, Norpseudoephedrine in hair **133**, 39

Kinship coefficient; Joint genotype probability, Kinship testing, Likelihood ratio, Population subdivision **135**, 105

Kinship determinations; Paternity testing, Computer programs, DNA profiling **136**, 22

Kinship testing; Joint genotype probability, Kinship coefficient, Likelihood ratio, Population subdivision **135**, 105

Korean population; Short tandem repeat, AmpF/STR Identifiler **136**, 92

Koreans; Y-STR, DYS434, DYS435, DYS436, DYS437, DYS438, DYS439, Gene diversity, Haplotype **136**, 89

Larval killing methods; Forensic entomology, Blowflies, PMI, Larval length, Larval preservation methods **138**, 50

Larval length; Forensic entomology, Blowflies, PMI, Larval killing methods, Larval preservation methods **138**, 50

Larval preservation methods; Forensic entomology, Blowflies, PMI, Larval length, Larval killing methods **138**, 50

Laser capture microdissection/LCM/LM; Preferential lysis, DNA, Short tandem repeats (STRs) **137**, 28

Latent fingerprint; LCN, STR genotyping, mtDNA sequencing **137**, 188

LC-MS/MS; Pholedrine, Lethal intoxication, Gastric lavage **133**, 101

LCN; Latent fingerprint, STR genotyping, mtDNA sequencing **137**, 188

LCV; Leucocrystal violet, Footwear impressions, Spectral enhancement, Optical enhancement, Blood **132**, 117

LDLR; Population data, Northwestern Russians, PCR, AMP-FSP, Polymarker loci, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

Lethal blood concentration; Basagran®, Bentazone, Herbicide **135**, 235

Lethal intoxication; Pholedrine, LC-MS/MS, Gastric lavage **133**, 101

Leuckart method; PMMA, Markers, SPE/TLC profiling **134**, 214

Leuckart method; PMMA, Markers, SPE/TLC profiling, Influence of diluents **134**, 207

Leuckart reaction; Anise oil, Anethole, Para-methoxyamphetamine, 4-Methoxyphenol **133**, 159

Leucocrystal violet; LCV, Footwear impressions, Spectral enhancement, Optical enhancement, Blood **132**, 117

Lidocaine; Forensic toxicology, Critical care, Monoethylglycinexylidide, Endotracheal intubation, Cariopulmonary resuscitation **137**, 183

Ligature strangulation; Homicide, Suicide, Forensic pathology **137**, 60

Likelihood ratio; Drug profiling, Cosine function modelling, Bayes' theorem, Evidence evaluation, Diacetylmorphine **131**, 171

Likelihood ratio; Joint genotype probability, Kinship coefficient, Kinship testing, Population subdivision **135**, 105

Limit-of-detection; Breath alcohol, Variability, Confidence intervals, Fit-for-purpose, Limit-of-quantitation **131**, 30

Limit-of-quantitation; Breath alcohol, Variability, Confidence intervals, Fit-for-purpose, Limit-of-detection **131**, 30

Linear discriminant analysis; Glass, Elemental analysis, Classification, Neural networks, Discrimination **137**, 107

Liquid gasoline; Chemical fingerprinting, Unevaporated automotive samples, GC–MS, PCA **134**, 1

Liver failure; Tramadol, Overdose, Toxicology, Analgesia **134**, 232

Lodz region; Multiplex STR, Population data, Poland **137**, 94

Loss of energy; Impulse transmitted, Retardation factor, Pressure on impact, Soft nose ammunition, Sporting rifle, Regression coefficient **135**, 181

Lung histology; Elderly, Drowning, Morphometry, Image analysis **134**, 93

Lung; Post-mortem, PMI, Calmodulin binding proteins, Muscle, MARCKS, CaMKII, iNOS, Calcineurin **131**, 140

Macrophage; Pulmonary embolism, Right ventricle, Ischemia **134**, 147

Magnetic resonance imaging; Forensic science, Image-guided virtual autopsy, Digital autopsy, Virtopsy, Gunshot, Forensic, Post-mortem, Multi-slice computed tomography **138**, 8

Maharashtra tribes; Genetic diversity, Powerplex 16™ **134**, 225

Maintenance treatment; Methadone, Drug-related death, Toxicological screening **132**, 195

Malaysia; STR, AmpF/STR Identifiler®, Population data **138**, 134

Mann–Whitney test; Gunshot residues (GSR), SEM–EDX automatic search, Frequency of occurrence of primer residues, Chemometry, Cluster analysis **135**, 97

MARCKS; Post-mortem, PMI, Calmodulin binding proteins, Muscle, Lung, CaMKII, iNOS, Calcineurin **131**, 140

Markers; PMMA, Leuckart method, SPE/TLC profiling **134**, 214

Markers; PMMA, Leuckart method, SPE/TLC profiling, Influence of diluents **134**, 207

Mass disaster; Stature estimation, Dismember lower extremity, Anthropometry, Regression analysis, Turks **132**, 40

Mass fatality; Tunnel fire, Identification, Carbon monoxide, DNA **138**, 1

Mass graves; Archaeology, Anthropology, Site formation, Exhumation, Postmortem examination, Monitoring protocol **134**, 81

Mass spectrometry; 3,4-Methylenedioxymethamphetamine (MDMA), Impurities, Gas chromatography, Profiling **132**, 182

Mass spectrometry; Trichloroethylene, Fatal acute intoxication, Inhalation, Headspace **134**, 115

Mast cells; Amniotic fluid embolism, Motor vehicle accident, Safety restraints, Trauma in pregnancy, Tryptase, Forensic autopsy **137**, 231

Mast cells; Trauma, Tryptase, Post-mortem, Hemolysis **131**, 8

Maxcan system; Tape lifts, Trace evidence, Fibre finder system **135**, 137

MDA; MDMA, Death and tissue concentration **135**, 110

MDE; Forensic science, NIR, MDMA, Amphetamine, Ecstasy **134**, 187

MDMA; Forensic science, NIR, MDE, Amphetamine, Ecstasy **134**, 187

MDMA; Ketamine, Rave party **136**, 47

MDMA; MDA, Death and tissue concentration **135**, 110

Meckel's diverticulum; Mesodiverticular band, Intestinal obstruction, Unexpected death **138**, 114

Medico-legal cause-of-death determination; Fatal drug poisonings, Forensic toxicology, Cause-of-death coding, Mortality statistics **136**, 35

Medico-legal examination; Sexual assault, Physical findings, Spermatozoa **131**, 125

Medicolegal expert; Munchausen syndrome by proxy, Child abuse, Poisoning, Clozapine, Clonidine, Interdisciplinary co-operation **137**, 147

Medicolegal problems; Methadone, Substitution, Driving, Drug deaths, Prescription rules **133**, 118

Meningitis; Actinomycosis, Subarachnoid hemorrhage, Sudden death, Vasculitis **134**, 169

Mesodiverticular band; Meckel's diverticulum, Intestinal obstruction, Unexpected death **138**, 114

Mestizo; Ecuador, STRs, Forensic genetics, Population data **135**, 64

Metabolites; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation **134**, 62

Methadone; Drug-related death, Maintenance treatment, Toxicological screening **132**, 195

Methadone; Medicolegal problems, Substitution, Driving, Drug deaths, Prescription rules **133**, 118

Methadone; Withdrawal syndrome, Opiates, Cocaine, Cannabinoids, Drugs **133**, 57

(±)-Methamphetamine; Capillary electrophoresis, Chiral separation, (±)-Methcathinone, (±)-Ephedrine, (±)-Pseudoephedrine **134**, 17

Methamphetamine; Impurities, Gas chromatography **135**, 42

Methanol intoxication; Formic acid, Poisoning index, Post-mortem analysis, Tissue concentration **133**, 152

(±)-Methcathinone; Capillary electrophoresis, Chiral separation, (±)-Methamphetamine, (±)-Ephedrine, (±)-Pseudoephedrine **134**, 17

4-Methoxyphenol; Anise oil, Anethole, Para-methoxyamphetamine, Leuckart reaction **133**, 159

Methyl alcohol; Fatalities, Intoxication **131**, 36

Methylamphetamine; Phenyl-2-propanone, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation, Metabolites **134**, 62

3,4-Methylenedioxymethamphetamine (MDMA); Impurities, Gas chromatography, Mass spectrometry, Profiling **132**, 182

Metoprolol; Verapamil, Digoxin, Poisoning, Drug interaction **133**, 107

Mexican population; STR, Allelic frequencies **136**, 96

Microbial degradation; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Metabolites **134**, 62

Microsatellite DNA; *Cannabis sativa*, Short tandem repeat **131**, 53

Microsatellite; Recent human evolution, STR, Phylogenetic analysis **133**, 260

Microsatellite; Short tandem repeat, STRs, Population data, Colombia **137**, 67

Microsatellites; *Cannabis sativa*, Short tandem repeats (STR), Drug, Fibre **131**, 65

Microscopic study; Mummy, Chosun dynasty, Radiocarbon dating, Forensic science **137**, 172

Minimal haplotype; Y-chromosome, DYS464, Short tandem repeat, Y-STR, Population study, Mutation rate, Forensics **137**, 221

Minisequencing; Y chromosome, Single nucleotide polymorphism, Multiplex PCR, Genotyping **137**, 74

Mite; Demodex, Forensic autopsy, Contamination **135**, 226

Mitochondrial DNA (mtDNA) polymorphism; Standardization, Collaborative Exercise, Heteroplasmy, Hair shafts, Animal identification, Cytochrome b, 12S, 16S **134**, 46

Mitochondrial DNA; Calliphorid, Forensic entomology, Cytochrome oxidase I **131**, 134

Mitochondrial DNA; Hypervariable regions (HVRs), Sequencing, Polymorphism **135**, 48

Mitochondrial DNA; Population study, Haplogroups, Haplotypes **137**, 125

Mitochondrial DNA; Species identification, Forensic, *TP53*, Ribosomal RNA, β-Actin **134**, 99

Mitochondrial DNA; SSCP, Silver staining, Identification, Forensic casework **133**, 242

Mixed STR profiles; DNA mixtures, Forensic casework **134**, 180

Mizoram populations; STR polymorphism, Amelogenin, HWE, Human identification, Statistical probability **132**, 216

MK-801; Dizocilpine, Phencyclidine, Post-mortem, Human, Toxicology **133**, 113

Monitoring protocol; Mass graves, Archaeology, Anthropology, Site formation, Exhumation, Postmortem examination **134**, 81

Monoethylglycinexylidide; Forensic toxicology, Critical care, Lidocaine, Endotracheal intubation, Cariopulmonary resuscitation **137**, 183

Morocco; Short tandem repeat, Population data, Geneprint™ STR **132**, 82

Morphine; Formalin-fixed tissues, Embalming, Toxicology, Autopsy, Heroin **134**, 36

Morphine; Heroin, 6-Acetylmorphine, Codeine, Oral fluid, Prevalence, Alternate matrices, Workplace drug testing **133**, 22

Morphological imprint; Patterned injuries, Forensic photogrammetry, 3D/CAD, Forensic wound documentation, Reconstruction **132**, 177

Morphometry; Lung histology, Elderly, Drowning, Image analysis **134**, 93

Mortality statistics; Death certification, Expert panel, Query, Cause-of-death validation **131**, 113

Mortality statistics; Fatal drug poisonings, Forensic toxicology, Medico-legal cause-of-death determination, Cause-of-death coding **136**, 35

Motive; Female, Violence, Victim, Personality disorder **133**, 197

Motor vehicle accident; Amniotic fluid embolism, Safety restraints, Trauma in pregnancy, Mast cells, Tryptase, Forensic autopsy **137**, 231

Mozambique; Y-STRs, Population studies, Haplotype diversity, Forensics **134**, 126

mRNA profiling; RNA, Body fluid identification, Saliva identification **135**, 85

MRP14; Fibronectin, MRP8, Defensin, Wound age **131**, 156

MRP8; Fibronectin, MRP14, Defensin, Wound age **131**, 156

mtDNA sequencing; Latent fingerprint, LCN, STR genotyping **137**, 188

MtDNA; Control region, HVR-I, HVR-II, Haplotype, Karnataka, India **136**, 79

mtDNA; Postmortem interval, Blowfly larvae, PCR–RFLP, Cytochrome oxidase genes, Restriction enzymes **132**, 76

Multiple abrasions; Road accidents, Decapitation **135**, 237

Multiple regression analysis; Age determination, Children, Erupted teeth, Tooth germs **132**, 49

Multiplex PCR; Y chromosome, Single nucleotide polymorphism, Minisequencing, Genotyping **137**, 74

Multiplex STR; Population data, Lodz region, Poland **137**, 94

Multiplex Y-STR analysis; Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

Multiplex; D8S1179, Primer binding site mutation, AmpFℓSTR®, PCR, STR, Validation **133**, 220

Multi-slice computed tomography; Forensic science, Image-guided virtual autopsy, Digital autopsy, Virtopsy, Gunshot, Forensic, Postmortem, Magnetic resonance imaging **138**, 8

Mummy; Chosun dynasty, Microscopic study, Radiocarbon dating, Forensic science **137**, 172

Munchausen syndrome by proxy; Child abuse, Poisoning, Clozapine, Clonidine, Medicolegal expert, Interdisciplinary co-operation **137**, 147

Muscle; Post-mortem, PMI, Calmodulin binding proteins, Lung, MARCKS, CaMKII, iNOS, Calcineurin **131**, 140

Mutation rate; Y-chromosome, DYS464, Short tandem repeat, Y-STR, Minimal haplotype, Population study, Forensics **137**, 221

Muzzle; Ammunition, Target, Muzzle-target angle, Gunshot residues **138**, 68

Muzzle-target angle; Ammunition, Target, Muzzle, Gunshot residues **138**, 68

Naphazoline; Imidazoline, Intoxication, Children, Pediatric, Forensic **134**, 234

Naphthalene; Cannabis, Illicit growing **138**, 91

Necrosis; Cardiac Troponin I, Postmortem marker, Proteolysis, Degradation, Postmortem interval (PMI) **134**, 11

Neuquen; Short tandem repeats, Population data, PowerPlex® 16 system, Argentina **134**, 219

Neural networks; Glass, Elemental analysis, Classification, Linear discriminant analysis, Discrimination **137**, 107

NIR; Forensic science, MDMA, MDE, Amphetamine, Ecstasy **134**, 187

Nitrazepam; Forensic toxicology, Postmortem drug testing, 7-Aminonitrazepam, Stability of nitrazepam, Tissue distribution **131**, 108

Nitroglycerin; Organic gunshot residues, Hair analysis, Gunpowder additive, Ethyl centralite, Capillary electrophoresis **135**, 167

NMR; Triacetone triperoxide (TATP), Raman, Ion mobility spectrometry (IMS) **135**, 53

Non-Japanese faces; Facial identification, 3D morphology, Superimposition, Anthropometry **135**, 122

Noradrenaline; HPLC, Adrenaline **132**, 46

Norephedrine in hair; Cathinone in hair, Gas chromatography–mass spectrometry, Hair analysis, Khat chewers, Norpseudoephedrine in hair **133**, 39

Norpseudoephedrine in hair; Cathinone in hair, Gas chromatography–mass spectrometry, Hair analysis, Khat chewers, Norephedrine in hair **133**, 39

11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid; TDxFLx®, Immunoassay, Binding constant, Amphetamine, Fluorescence polarization, Abused drugs **131**, 1

North Poland; Haplotypes, Y-chromosome, Insertion polymorphism **131**, 209

Northeast Chinese; Short tandem repeats, Population data **132**, 161

Northwestern Russians; Population data, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

Odontometrics; Identification, Discriminant function analysis, Bucco-lingual dimension, Sexual dimorphism, Turks **137**, 160

Opiates; Alcohol, Cannabis, Cocaine, Amphetamines, Benzodiazepines, Driving, Traffic accident, Drug of abuse, Accidents **133**, 79

Opiates; Hair analysis, Contamination, Heroin **131**, 98

Opiates; Hair analysis, Recovery, Solid phase extraction, Gas chromatography–mass spectrometry, Cocaine **138**, 17

Opiates; Withdrawal syndrome, Cocaine, Cannabinoids, Methadone, Drugs **133**, 57

μ-Opioid receptor; Human cerebral cortex, Drug-related fatalities of morphine-addicts, Immunohistochemistry **133**, 204

Optical 3D surface digitizing; 3D/CAD scanner, Forensic, Wound documentation, Reconstruction, Analysis, Virtual autopsy, Virtopsy **137**, 203

Optical enhancement; Leucocrystal violet, LCV, Footwear impressions, Spectral enhancement, Blood **132**, 117

Oral fluid; Heroin, 6-Acetylmorphine, Morphine, Codeine, Prevalence, Alternate matrices, Workplace drug testing **133**, 22

Organ weight; Drowning, Postmortem effects, Asphyxiation, Endogenous alcohol **133**, 190; **137**, 239

Organic gunshot residues; Hair analysis, Gunpowder additive, Nitroglycerin, Ethyl centralite, Capillary electrophoresis **135**, 167

Organophosphates; Poisoning, PON1 **133**, 136

Orthopantomography; Third molar, Dental development, Third molar agenesis, Dental age **133**, 212

Overdose; Tramadol, Liver failure, Toxicology, Analgesia **134**, 232

Oxazepam; Clonazepam, 7-Aminoclonazepam, Cross-reactivity, ELISA **134**, 54

Oximeter; Carboxyhemoglobin, Post-mortem blood **133**, 179

Para-methoxyamphetamine; Anise oil, Anethole, Leuckart reaction, 4-Methoxyphenol **133**, 159

Particle distribution; Forensic science, Criminalistics, Gunshot residues **132**, 99

Paternity analysis; Software, DNA, Coancestry coefficients **135**, 232

Paternity testing; Forensic DNA typing, Short tandem repeat, DXS6803, DXS9895 **133**, 246

Paternity testing; Kinship determinations, Computer programs, DNA profiling **136**, 22

Pathology; Death, Sudden, Sudden unexplained death, Epidemiology, Childhood, Young **135**, 213

Pattern recognition; Diamorphine, Diacetylmorphine, Comparison, Drug profiling, Cosine function modelling **132**, 139

Patterned injuries; Forensic photogrammetry, 3D/CAD, Forensic wound documentation, Morphological imprint, Reconstruction **132**, 177

Patterned injuries; Forensic science, Bite mark, 3D/CAD, Photogrammetry, Documentation, Analysis **135**, 115

Patterned injuries; Forensic science, 3D/CAD, 3D graphic model, Photogrammetry, Wound morphology, Wound documentation **132**, 130

PCA; Chemical fingerprinting, Liquid gasoline, Unevaporated automotive samples, GC–MS **134**, 1

PCR multiplex; Y-chromosome STRs, Forensic genetics, Population genetics **134**, 29

PCR multiplex; Y-chromosome STRs, GEP-ISFG **135**, 158

PCR; Ancient DNA, Contamination, Authentication criteria **131**, 59

PCR; D8S1179, Primer binding site mutation, AmpFℓSTR®, Multiplex, STR, Validation **133**, 220

PCR; Personal identification, Denaturant gradient gel electrophoresis (DGGE), Adhesive film, Blood groups **132**, 157

PCR; Population data, Northwestern Russians, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

PCR–RFLP; Postmortem interval, Blowfly larvae, mtDNA, Cytochrome oxidase genes, Restriction enzymes **132**, 76

Pediatric; Imidazoline, Naphazoline, Intoxication, Children, Forensic **134**, 234

Pellets; Pump-action shotgun, Range estimation, Distribution pattern **132**, 211

Pentastomiasis; Postmortem, *Armillifer grandis*, Autopsy **137**, 52

Pentobarbital; Drug-facilitated sexual assault, Hair analysis, SPME, GC–MS-MS, Thiopental **133**, 171

Pentobarbital; Suicide, Barbiturates, Euthanasia, Veterinary **131**, 103

Permanent tooth length; Forensic odontology, Tooth apex width, Radiographs, Age estimation **131**, 22

Personal identification; Denaturant gradient gel electrophoresis (DGGE), PCR, Adhesive film, Blood groups **132**, 157

Personality disorder; Female, Violence, Victim, Motive **133**, 197

Pharmacogenetics; SNP analysis, *CYP2D6* gene, Tramadol **135**, 9

Pharmacokinetics; Alcohol, Analysis, Blood, Breath, Drunk driving, Ethanol, Intoxilyzer 5000S **132**, 18

Phencyclidine; Dizocilpine, MK-801, Post-mortem, Human, Toxicology **133**, 113

1-Phenyl-1,2-propanediol; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, Microbial degradation, Metabolites **134**, 62

1-Phenyl-1,2-propanedione; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-2-propanol, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation, Metabolites **134**, 62

1-Phenyl-2-propanol; Phenyl-2-propanone, Methylamphetamine, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation, Metabolites **134**, 62

Phenyl-2-propanone; Methylamphetamine, 1-Phenyl-2-propanol, 1-Phenyl-1,2-propanedione, 1-Hydroxy-1-phenyl-2-propanone, 2-Hydroxy-1-phenyl-1-propanone, 1-Phenyl-1,2-propanediol, Microbial degradation, Metabolites **134**, 62

Pholedrine; Lethal intoxication, LC-MS/MS, Gastric lavage **133**, 101

Photogrammetry; Forensic science, Bite mark, Patterned injuries, 3D/CAD, Documentation, Analysis **135**, 115

Photogrammetry; Forensic science, Patterned injuries, 3D/CAD, 3D graphic model, Wound morphology, Wound documentation **132**, 130

Photography-related evidence; Criminalistics, Camera identity, Film-edge marks, Photomicrography **134**, 123

Photomicrography; Criminalistics, Photography-related evidence, Camera identity, Film-edge marks **134**, 123

Phylogenetic analysis; Recent human evolution, Microsatellite, STR **133**, 260

Phylogenetic study; Species identification, Rhinoceros, Cytochrome b gene **136**, 1

Physical findings; Sexual assault, Medico-legal examination, Spermatozoa **131**, 125

Plasma:whole blood distribution: clozapine; Fatal poisoning: clozapine, Post-mortem redistribution: clozapine, Fatal poisoning: interpretation of results **132**, 9

Pleural effusion; Drowning, Decomposition **136**, 16

PMI; Forensic entomology, Blowflies, Larval length, Larval killing methods, Larval preservation methods **138**, 50

PMI; Post-mortem, Calmodulin binding proteins, Muscle, Lung, MARCKS, CaMKII, iNOS, Calcineurin **131**, 140

PMMA; Markers, Leuckart method, SPE/TLC profiling **134**, 214

PMMA; Markers, Leuckart method, SPE/TLC profiling, Influence of diluents **134**, 207

Poisoning index; Methanol intoxication, Formic acid, Post-mortem analysis, Tissue concentration **133**, 152

Poisoning; Biological fluids, ^{1}H NMR spectroscopy, Xenobiotics **133**, 132

Poisoning; Munchausen syndrome by proxy, Child abuse, Clozapine, Clonidine, Medicolegal expert, Interdisciplinary co-operation **137**, 147

Poisoning; Organophosphates, PON1 **133**, 136

Poisoning; Verapamil, Metoprolol, Digoxin, Drug interaction **133**, 107

Poisonous agents; Fatal poisoning, Unnatural death, Forensic medicine, Post-mortem examinations **133**, 125

Poland; Multiplex STR, Population data, Lodz region **137**, 94

Polymarker loci; Population data, Northwestern Russians, PCR, AMP-FSP, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

Polymerase slippage; STRs, Sequence structure **135**, 163

Polymorphism; Mitochondrial DNA, Hypervariable regions (HVRs), Sequencing **135**, 48

PON1; Organophosphates, Poisoning **133**, 136

Population data; D3S1358, D8S1179, D18S51, Forensic, STR **138**, 104

Population data; Ecuador, STRs, Forensic genetics, Mestizo **135**, 64

Population data; Multiplex STR, Lodz region, Poland **137**, 94

Population data; Northwestern Russians, PCR, AMP-FSP, Polymarker loci, LDLR, GYPA, HBGG, D7S8, GC, HLA-DQA1, Ig-J_H, D17S30, ApoB, D1S80 **137**, 100

Population data; Short tandem repeat (STR), Forensics, PowerPlex® 16, Van–Ağrı districts, Eastern Anatolia region, Turkey **135**, 60

Population data; Short tandem repeat (STR), PowerPlex® 16 System, Spain population **135**, 75

Population data; Short tandem repeat, AmpFlSTR SGM plus **132**, 84

Population data; Short tandem repeat, Morocco, Geneprint™ STR **132**, 82

Population data; Short tandem repeat, STRs, Microsatellite, Colombia **137**, 67

Population data; Short tandem repeats (STRs), Silver stain detection, Argentina **133**, 254

Population data; Short tandem repeats, AmpFLSTR Profiler Kit, Bangladeshis, Indonesians **135**, 72

Population data; Short tandem repeats, AmpFlSTR Profiler Plus, Córdoba (Argentina) **131**, 214

Population data; Short tandem repeats, AmpFlSTR SGM plus and profiler, Taiwan **138**, 119

Population data; Short tandem repeats, AmpFℓSTR SGM Plus **132**, 225

Population data; Short tandem repeats, Bogotá, Boyacá, AmpFlSTR profiler and cofiler **136**, 83

Population data; Short tandem repeats, Northeast Chinese **132**, 161

Population data; Short tandem repeats, PowerPlex® 16 System, Buenos Aires, Argentina **134**, 222

Population data; Short tandem repeats, PowerPlex® 16 system, Neuquen, Argentina **134**, 219

Population data; Short tandem repeats, X-chromosome **136**, 73

Population data; STR, AmpF/STR Identifiler®, Malaysia **138**, 134

Population data; STR, Profiler plus™, Brazilian population **132**, 223

Population data; STR, Venezuela, AmpFℓST® Identifiler™, ABI **136**, 99

Population data; STR, Y chromosome, Açores Islands **135**, 239

Population data; STRs, Greece **137**, 104

Population data; X-chromosome, STR markers, Deficiency cases **137**, 215

Population data; Y-chromosome, STR **131**, 220

Population genetics; HumD21S11, Sub-population data, STR profiling, Variant alleles, Forensic science **135**, 35

Population genetics; Y-chromosome STRs, PCR multiplex, Forensic genetics **134**, 29

Population genetics; Y-chromosome, Short tandem repeat, Forensic genetics, Argentina **137**, 217

Population genetics; Y-STR haplotypes, GEP-ISFG **135**, 150

Population structure; Allele sharing, Profiler Plus™, Validation study **131**, 85

Population studies; Mozambique, Y-STRs, Haplotype diversity, Forensics **134**, 126

Population study; Mitochondrial DNA, Haplogroups, Haplotypes **137**, 125

Population study; Y-chromosome, DYS464, Short tandem repeat, Y-STR, Minimal haplotype, Mutation rate, Forensics **137**, 221

Population subdivision; Joint genotype probability, Kinship coefficient, Kinship testing, Likelihood ratio **135**, 105

Post-blast residues; Gas chromatography, Electron capture detection, High explosives, Trace analysis **137**, 6

Post-coital cervicovaginal samples; Multiplex Y-STR analysis, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

Post-mortem analysis; Methanol intoxication, Formic acid, Poisoning index, Tissue concentration **133**, 152

Post-mortem blood; Carboxyhemoglobin, Oximeter **133**, 179

Postmortem drug testing; Forensic toxicology, Nitrazepam, 7-Aminonitrazepam, Stability of nitrazepam, Tissue distribution **131**, 108

Postmortem effects; Drowning, Asphyxiation, Organ weight, Endogenous alcohol **133**, 190; **137**, 239

Postmortem examination; Mass graves, Archaeology, Anthropology, Site formation, Exhumation, Monitoring protocol **134**, 81

Post-mortem examinations; Fatal poisoning, Unnatural death, Forensic medicine, Poisonous agents **133**, 125

Postmortem interval (PMI); Cardiac Troponin I, Postmortem marker, Necrosis, Proteolysis, Degradation **134**, 11

Postmortem interval; Blowfly larvae, PCR–RFLP, mtDNA, Cytochrome oxidase genes, Restriction enzymes **132**, 76

Post-mortem interval; Forensic entomology, Eggs, Diptera **135**, 27

Postmortem interval; Forensic entomology, Seasonal dating, Calliphoridae **132**, 173

Postmortem marker; Cardiac Troponin I, Necrosis, Proteolysis, Degradation, Postmortem interval (PMI) **134**, 11

Post-mortem material; GHB, Chemical submission, Driving under the influence, Blood, Urine **133**, 17

Post-mortem redistribution: clozapine; Fatal poisoning: clozapine, Plasma:whole blood distribution: clozapine, Fatal poisoning: interpretation of results **132**, 9

Post-mortem; Dizocilpine, MK-801, Phencyclidine, Human, Toxicology **133**, 113

Postmortem; Forensic science, Image-guided virtual autopsy, Digital autopsy, Virtopsy, Gunshot, Forensic, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

Postmortem; Pentastomiasis, *Armillifer grandis*, Autopsy **137**, 52

Post-mortem; PMI, Calmodulin binding proteins, Muscle, Lung, MARCKS, CaMKII, iNOS, Calcineurin **131**, 140

Post-mortem; Trauma, Mast cells, Tryptase, Hemolysis **131**, 8

PowerPlex® 16 System; Population data, Short tandem repeat (STR), Spain population **135**, 75

PowerPlex® 16 system™; STR, AmpF*ℓ*STR® Profiler Plus™, China Han population **138**, 116

Powerplex 16™; Maharashtra tribes, Genetic diversity **134**, 225

PowerPlex™ 16; Short tandem repeat (STR), Japanese population, AmpFlSTR Identifiler™ **133**, 250

PowerPlex® 16; Short tandem repeat (STR), Population data, Forensics, Van–Ağrı districts, Eastern Anatolia region, Turkey **135**, 60

PowerPlex® 16 System; Short tandem repeats, Population data, Buenos Aires, Argentina **134**, 222

PowerPlex® 16 system; Short tandem repeats, Population data, Neuquen, Argentina **134**, 219

Preferential lysis; Laser capture microdissection/LCM/LM, DNA, Short tandem repeats (STRs) **137**, 28

Prescription rules; Medicolegal problems, Methadone, Substitution, Driving, Drug deaths **133**, 118

Pressure on impact; Loss of energy, Impulse transmitted, Retardation factor, Soft nose ammunition, Sporting rifle, Regression coefficient **135**, 181

Prevalence; Heroin, 6-Acetylmorphine, Morphine, Codeine, Oral fluid, Alternate matrices, Workplace drug testing **133**, 22

Primer binding site mutation; D8S1179, AmpF*ℓ*STR®, Multiplex, PCR, STR, Validation **133**, 220

Principal component analysis; Forensic chemistry, Forensic document examination, Discriminant analysis, Vis spectrophotometry, Blue ball-point pen ink **138**, 75

Principal component analysis; Gasoline, Artificial neural networks, Gas chromatography–mass spectrometry **132**, 26

Probabilistic Expert Systems; Forensic identification, Forensic genetics, Bayesian networks **134**, 196

Product rule; DNA interpretation, Subpopulation effects **135**, 1

Proficiency test; Hair analysis, Drugs of abuse **133**, 175

Profiler Plus™; Allele sharing, Validation study, Population structure **131**, 85

Profiler plus™; Population data, STR, Brazilian population **132**, 223

Profiling; 3,4-Methylenedioxymethamphetamine (MDMA), Impurities, Gas chromatography, Mass spectrometry **132**, 182

Projectile deformation; Bullet–body interaction, Fragmentation, Ballistic, Grazing, Tangential gunshot, Skull–Brain Model, High-speed documentation **132**, 93

Proteolysis; Cardiac Troponin I, Postmortem marker, Necrosis, Degradation, Postmortem interval (PMI) **134**, 11

(±)-Pseudoephedrine; Capillary electrophoresis, Chiral separation, (±)-Methamphetamine, (±)-Methcathinone, (±)-Ephedrine **134**, 17

Psilocin; *Psilocybe*, *Copelandia*, Psilocybin, Scanning electron microscope **138**, 85

Psilocybe; *Copelandia*, Psilocin, Psilocybin, Scanning electron microscope **138**, 85

Psilocybin; *Psilocybe*, *Copelandia*, Psilocin, Scanning electron microscope **138**, 85

Psychical and social personality; Autoerotic accident, Accidental autoerotic death, Cause-of-death, Death scene **137**, 41

PTSD; Torture, Refugees, Forensic medicine, Trauma **137**, 133

Pulmonary embolism; Right ventricle, Ischemia, Macrophage **134**, 147

Pump-action shotgun; Range estimation, Pellets, Distribution pattern **132**, 211

Putrefied blood; CO-oximetry, Carboxyhaemoglobin, Carbon monoxide poisoning, GC–FID **132**, 153

Quality control; STR typing, Forensic typing standardization, K562, GM9947, GM9948, GM3657 **138**, 37

Quality management; Criminalistics, FAS, Forensic, Assistance, Support **132**, 125

Query; Death certification, Expert panel, Cause-of-death validation, Mortality statistics **131**, 113

Questioned documents; Handwriting, Alcohol, Turkey **132**, 201

Radiocarbon dating; Mummy, Chosun dynasty, Microscopic study, Forensic science **137**, 172

Radiographs; Forensic odontology, Permanent tooth length, Tooth apex width, Age estimation **131**, 22

Raman; Triacetone triperoxide (TATP), NMR, Ion mobility spectrometry (IMS) **135**, 53

Range estimation; Pump-action shotgun, Pellets, Distribution pattern **132**, 211

Rape evidence; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

Rave party; Ketamine, MDMA **136**, 47

Recent human evolution; Microsatellite, STR, Phylogenetic analysis **133**, 260

Reconstruction; Optical 3D surface digitizing, 3D/CAD scanner, Forensic, Wound documentation, Analysis, Virtual autopsy, Virtopsy **137**, 203

Reconstruction; Patterned injuries, Forensic photogrammetry, 3D/CAD, Forensic wound documentation, Morphological imprint **132**, 177

Recovery; Hair analysis, Solid phase extraction, Gas chromatography–mass spectrometry, Opiates, Cocaine **138**, 17

Refugees; Torture, Forensic medicine, Trauma, PTSD **137**, 133

Regression analysis; Stature estimation, Dismember lower extremity, Anthropometry, Mass disaster, Turks **132**, 40

Regression coefficient; Loss of energy, Impulse transmitted, Retardation factor, Pressure on impact, Soft nose ammunition, Sporting rifle **135**, 181

Restriction enzymes; Postmortem interval, Blowfly larvae, PCR–RFLP, mtDNA, Cytochrome oxidase genes **132**, 76

Retardation factor; Loss of energy, Impulse transmitted, Pressure on impact, Soft nose ammunition, Sporting rifle, Regression coefficient **135**, 181

Rhabdomyolisis; Gamma-hydroxy butyric acid, Head-space gas chromatography **133**, 256

Rhinoceros; Species identification, Cytochrome b gene, Phylogenetic study **136**, 1

Ribosomal RNA; Species identification, Forensic, Mitochondrial DNA, *TP53*, β-Actin **134**, 99

Right coronary artery; Sudden death, Small infarct, Superior ventricular septum **138**, 62

Right ventricle; Pulmonary embolism, Ischemia, Macrophage **134**, 147

RNA degradation; RT-PCR, Bloodstains, Age estimation **138**, 94

RNA; DNA, STR, Blood, Semen **136**, 76

RNA; mRNA profiling, Body fluid identification, Saliva identification **135**, 85

Road accidents; Multiple abrasions, Decapitation **135**, 237

RT-PCR; RNA degradation, Bloodstains, Age estimation **138**, 94

12S; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Collaborative Exercise, Heteroplasmy, Hair shafts, Animal identification, Cytochrome b, 16S **134**, 46

16S; Mitochondrial DNA (mtDNA) polymorphism, Standardization, Collaborative Exercise, Heteroplasmy, Hair shafts, Animal identification, Cytochrome b, 12S **134**, 46

Safety restraints; Amniotic fluid embolism, Motor vehicle accident, Trauma in pregnancy, Mast cells, Tryptase, Forensic autopsy **137**, 231

Saliva identification; RNA, mRNA profiling, Body fluid identification **135**, 85

Saliva; SPME, GC/MS **134**, 40

São Paulo; STR, Genetic admixture, Human population, Brazil **135**, 67

Scanning electron microscope; *Psilocybe*, *Copelandia*, Psilocin, Psilocybin **138**, 85

Screening; Cannabinoids, Chronic use, Urine excretion, Confirmation **133**, 26; **137**, 196

Screening; Drugs of abuse, EMIT, Immunoassays, Whole blood **131**, 148

Seasonal dating; Forensic entomology, Postmortem interval, Calliphoridae **132**, 173

Self-incineration; Complex suicide, Fall from height **131**, 197

SEM–EDX automatic search; Gunshot residues (GSR), Frequency of occurrence of primer residues, Chemometry, Mann–Whitney test, Cluster analysis **135**, 97

Semen; RNA, DNA, STR, Blood **136**, 76

Sequence structure; Polymerase slippage, STRs **135**, 163

Sequencing; Mitochondrial DNA, Hypervariable regions (HVRs), Polymorphism **135**, 48

Serial rape; Geographical profiling, Journey-to-crime, Distance decay **131**, 42

Sex; Innominate bone, Ischium, Immature, Age **135**, 188

Sexual assault; Medico-legal examination, Physical findings, Spermatozoa **131**, 125

Sexual dimorphism; Odontometrics, Identification, Discriminant function analysis, Bucco-lingual dimension, Turks **137**, 160

Sharp force; Extended suicide, Criteria of homicide and suicide **134**, 142

Sharp-pointed weapons; Criminalistic, Firearms, Instruments **132**, 113

Short tandem repeat (STR); Japanese population, PowerPlex™ 16, AmpFlSTR Identifiler™ **133**, 250

Short tandem repeat (STR); Population data, Forensics, PowerPlex® 16, Van–Ağrı districts, Eastern Anatolia region, Turkey **135**, 60

Short tandem repeat (STR); Population data, PowerPlex® 16 System, Spain population **135**, 75

Short tandem repeat; AmpF/STR Identifiler, Korean population **136**, 92

Short tandem repeat; AmpFlSTR SGM plus, Population data **132**, 84

Short tandem repeat; *Cannabis sativa*, Microsatellite DNA **131**, 53

Short tandem repeat; Forensic DNA typing, Paternity testing, DXS6803, DXS9895 **133**, 246

Short tandem repeat; Population data, Morocco, Geneprint™ STR **132**, 82

Short tandem repeat; STRs, Microsatellite, Population data, Colombia **137**, 67

Short tandem repeat; Y-chromosome, DYS464, Y-STR, Minimal haplotype, Population study, Mutation rate, Forensics **137**, 221

Short tandem repeat; Y-chromosome, Forensic genetics, Population genetics, Argentina **137**, 217

Short tandem repeats (STR); *Cannabis sativa*, Microsatellites, Drug, Fibre **131**, 65

Short tandem repeats (STR); Y chromosome, Haplotypes, Croatia **138**, 127

Short tandem repeats (STRs); Allele frequency, Hardy–Weinberg expectation **137**, 97

Short tandem repeats (STRs); Laser capture microdissection/LCM/LM, Preferential lysis, DNA **137**, 28

Short tandem repeats (STRs); Silver stain detection, Population data, Argentina **133**, 254

Short tandem repeats; AmpFℓSTR Profiler PCR amplification kit, Japanese population **132**, 166

Short tandem repeats; Forensic science, Y chromosome, Han ethnic group, Chinese **138**, 123

Short tandem repeats; Population data, AmpFLSTR Profiler Kit, Bangladeshis, Indonesians **135**, 72

Short tandem repeats; Population data, AmpFlSTR Profiler Plus, Córdoba (Argentina) **131**, 214

Short tandem repeats; Population data, AmpFlSTR SGM plus and profiler, Taiwan **138**, 119

Short tandem repeats; Population data, AmpFℓSTR SGM Plus **132**, 225

Short tandem repeats; Population data, Bogotá, Boyacá, AmpFlSTR profiler and cofiler **136**, 83

Short tandem repeats; Population data, Northeast Chinese **132**, 161

Short tandem repeats; Population data, PowerPlex® 16 System, Buenos Aires, Argentina **134**, 222

Short tandem repeats; Population data, PowerPlex® 16 system, Neuquen, Argentina **134**, 219

Short tandem repeats; Population data, X-chromosome **136**, 73

Short tandem repeats; Y chromosome, Haplotype, Caucasus, Turkey, Iran **137**, 85

Short tandem repeats; Y chromosome, Haplotype, Inuit, Danes **132**, 228

Shot wounds; Head trauma, Blank cartridges, Tear-gas cartridge, Suicide **137**, 45

Significance; Trace evidence, Fibers **135**, 146

Silver stain detection; Short tandem repeats (STRs), Population data, Argentina **133**, 254

Silver staining; Mitochondrial DNA, SSCP, Identification, Forensic casework **133**, 242

Single hair; Tiger specific primer, Forensic test, Wildlife trade **131**, 75

Single nucleotide polymorphism; Y chromosome, Multiplex PCR, Minisequencing, Genotyping **137**, 74

Site formation; Mass graves, Archaeology, Anthropology, Exhumation, Postmortem examination, Monitoring protocol **134**, 81

Sizing; DNA, STR, Temperature **133**, 228

Skeletalization; Human identification, DNA profiling, Dental age estimation, Case study, Dismembered remains, Skull–photo superimposition, Age estimation with SEM **137**, 141

Skeleton; Stab wounds, Incised wounds, Bone lesion, Cartilage lesion, Autopsy **131**, 131

Skull–Brain Model; Bullet–body interaction, Projectile deformation, Fragmentation, Ballistic, Grazing, Tangential gunshot, High-speed documentation **132**, 93

Skull–photo superimposition; Human identification, Skeletalization, DNA profiling, Dental age estimation, Case study, Dismembered remains, Age estimation with SEM **137**, 141

Small infarct; Sudden death, Superior ventricular septum, Right coronary artery **138**, 62

Smothering; Children, Autopsy findings **134**, 163

SNP analysis; *CYP2D6* gene, Tramadol, Pharmacogenetics **135**, 9

Soft nose ammunition; Loss of energy, Impulse transmitted, Retardation factor, Pressure on impact, Sporting rifle, Regression coefficient **135**, 181

Software; DNA, Paternity analysis, Coancestry coefficients **135**, 232

Solid phase extraction; Hair analysis, Recovery, Gas chromatography–mass spectrometry, Opiates, Cocaine **138**, 17

Somatic morbidity; Cohort study, Criminality **132**, 68

Soot inhalation; Diagnosis of vitality, Burned bodies, Cause of death, CO–Hb **135**, 197

Spain population; Population data, Short tandem repeat (STR), PowerPlex® 16 System **135**, 75

SPDE; Cannabinoids, Hair analysis, SPME **133**, 32

SPE/TLC profiling; PMMA, Markers, Leuckart method **134**, 214

SPE/TLC profiling; PMMA, Markers, Leuckart method, Influence of diluents **134**, 207

Species identification; Forensic, Mitochondrial DNA, *TP53*, Ribosomal RNA, β-Actin **134**, 99

Species identification; Rhinoceros, Cytochrome b gene, Phylogenetic study **136**, 1

Spectral enhancement; Leucocrystal violet, LCV, Footwear impressions, Optical enhancement, Blood **132**, 117

Spectroradiometry; Forensic dentistry, Dental color, Dental age estimation **132**, 57

Spermatozoa; Sexual assault, Medico-legal examination, Physical findings **131**, 125

SPME; Cannabinoids, Hair analysis, SPDE **133**, 32

SPME; Drug-facilitated sexual assault, Hair analysis, GC–MS-MS, Thiopental, Pentobarbital **133**, 171

SPME; Saliva, GC/MS **134**, 40

SPME; Standard practice, Gas chromatography, Ignitable liquid **132**, 63

Sporting rifle; Loss of energy, Impulse transmitted, Retardation factor, Pressure on impact, Soft nose ammunition, Regression coefficient **135**, 181

SSCP; Mitochondrial DNA, Silver staining, Identification, Forensic casework **133**, 242

Stab wounds; Incised wounds, Bone lesion, Cartilage lesion, Skeleton, Autopsy **131**, 131

Stability of nitrazepam; Forensic toxicology, Postmortem drug testing, Nitrazepam, 7-Aminonitrazepam, Tissue distribution **131**, 108

Standard practice; SPME, Gas chromatography, Ignitable liquid **132**, 63

Standardization; Mitochondrial DNA (mtDNA) polymorphism, Collaborative Exercise, Heteroplasmy, Hair shafts, Animal identification, Cytochrome b, 12S, 16S **134**, 46

Statistical probability; STR polymorphism, Amelogenin, HWE, Human identification, Mizoram populations **132**, 216

Stature estimation; Dismember lower extremity, Anthropometry, Regression analysis, Mass disaster, Turks **132**, 40

STR genotyping; Latent fingerprint, LCN, mtDNA sequencing **137**, 188

STR loci; Hardy–Weinberg equilibrium, Allele frequencies **131**, 218

STR markers; X-chromosome, Population data, Deficiency cases **137**, 215

STR polymorphism; Amelogenin, HWE, Human identification, Statistical probability, Mizoram populations **132**, 216

STR profiling; HumD21S11, Sub-population data, Population genetics, Variant alleles, Forensic science **135**, 35

STR typing; Quality control, Forensic typing standardization, K562, GM9947, GM9948, GM3657 **138**, 37

STR; Allelic frequencies, Colombian population **136**, 86

STR; Allelic frequencies, Mexican population **136**, 96

STR; AmpF*l*STR Identifiler®, Population data, Malaysia **138**, 134

STR; AmpF*ℓ*STR® Profiler Plus™, PowerPlex® 16 system™, China Han population **138**, 116

STR; DNA, Temperature, Sizing **133**, 228

STR; D3S1358, D8S1179, D18S51, Forensic, Population data **138**, 104

STR; D8S1179, Primer binding site mutation, AmpF*ℓ*STR®, Multiplex, PCR, Validation **133**, 220

STR; Genetic admixture, Human population, São Paulo, Brazil **135**, 67

STR; Population data, Profiler plus™, Brazilian population **132**, 223

STR; Population data, Y chromosome, Açores Islands **135**, 239

STR; Recent human evolution, Microsatellite, Phylogenetic analysis **133**, 260

STR; RNA, DNA, Blood, Semen **136**, 76

STR; Venezuela, Population data, AmpF*ℓ*ST® Identifiler™, ABI **136**, 99

STR; Y-chromosome, Population data **131**, 220

STR; Y-Plex™6, Y-Plex™5, Tunisian population **135**, 247

Street level; Heroin, Cocaine, Amphetamine, Ecstasy **131**, 162

Strontium; Forensic science, Drowning, Blood **137**, 55

STRs; Ecuador, Forensic genetics, Population data, Mestizo **135**, 64

STRs; Forensic, Subpopulations, Fst, Independence tests **131**, 184

STRs; Polymerase slippage, Sequence structure **135**, 163

STRs; Population data, Greece **137**, 104

STRs; Short tandem repeat, Microsatellite, Population data, Colombia **137**, 67

Subarachnoid hemorrhage; Actinomycosis, Meningitis, Sudden death, Vasculitis **134**, 169

Subdural haemorrhage; Causation, Biomechanical, Baby-rocker **131**, 14

Sub-population data; HumD21S11, Population genetics, STR profiling, Variant alleles, Forensic science **135**, 35

Subpopulation effects; DNA interpretation, Product rule **135**, 1

Subpopulations; Forensic, STRs, Fst, Independence tests **131**, 184

Substitution; Medicolegal problems, Methadone, Driving, Drug deaths, Prescription rules **133**, 118

Sudden death; Actinomycosis, Meningitis, Subarachnoid hemorrhage, Vasculitis **134**, 169

Sudden death; Hypothalamic germinoma, Hypopituitarism, Cardiac microvascular disease **137**, 1

Sudden death; Small infarct, Superior ventricular septum, Right coronary artery **138**, 62

Sudden unexplained death; Death, Sudden, Pathology, Epidemiology, Childhood, Young **135**, 213

Sudden; Death, Sudden unexplained death, Pathology, Epidemiology, Childhood, Young **135**, 213

Suicide; Barbiturates, Pentobarbital, Euthanasia, Veterinary **131**, 103

Suicide; Ligature strangulation, Homicide, Forensic pathology **137**, 60

Suicide; Shot wounds, Head trauma, Blank cartridges, Tear-gas cartridge **137**, 45

Suicide; Zaleplon, Fatality, Forensic science, Drug overdose **134**, 120

Superimposition; Non-Japanese faces, Facial identification, 3D morphology, Anthropometry **135**, 122

Superior ventricular septum; Sudden death, Small infarct, Right coronary artery **138**, 62

Support; Criminalistics, FAS, Forensic, Assistance, Quality management **132**, 125

Sweat; Environmental contamination, Urine, Cocaine **133**, 63

Synthetic model; Forensic science, Bone, Fracture, Gunshot, Ballistics, Body model, Experiment **138**, 44

Taiwan; Short tandem repeats, Population data, AmpFlSTR SGM plus and profiler **138**, 119

Tangential gunshot; Bullet–body interaction, Projectile deformation, Fragmentation, Ballistic, Grazing, Skull–Brain Model, High-speed documentation **132**, 93

Tape lifts; Maxcan system, Trace evidence, Fibre finder system **135**, 137

Target; Ammunition, Muzzle, Muzzle-target angle, Gunshot residues **138**, 68

TDxFLx$^{®}$; Immunoassay, Binding constant, Amphetamine, 11-Nor-Δ^9-tetrahydrocannabinol-9-carboxylic acid, Fluorescence polarization, Abused drugs **131**, 1

Tear-gas cartridge; Shot wounds, Head trauma, Blank cartridges, Suicide **137**, 45

Temperature; DNA, STR, Sizing **133**, 228

Thiopental; Drug-facilitated sexual assault, Hair analysis, SPME, GC–MS-MS, Pentobarbital **133**, 171

Third molar agenesis; Third molar, Dental development, Dental age, Orthopantomography **133**, 212

Third molar; Dental development, Third molar agenesis, Dental age, Orthopantomography **133**, 212

Third molar; Forensic science, Forensic odontology, Dental age estimation **136**, 52

Tiger specific primer; Single hair, Forensic test, Wildlife trade **131**, 75

Tissue concentration; Methanol intoxication, Formic acid, Poisoning index, Post-mortem analysis **133**, 152

Tissue distribution; Forensic toxicology, Postmortem drug testing, Nitrazepam, 7-Aminonitrazepam, Stability of nitrazepam **131**, 108

Tooth apex width; Forensic odontology, Permanent tooth length, Radiographs, Age estimation **131**, 22

Tooth germs; Age determination, Children, Erupted teeth, Multiple regression analysis **132**, 49

Torture; Refugees, Forensic medicine, Trauma, PTSD **137**, 133

Toxicological screening; Methadone, Drug-related death, Maintenance treatment **132**, 195

Toxicology; Authorship, Bibliometrics, Forensic science, Impact factor, Journals **133**, 1

Toxicology; Dizocilpine, MK-801, Phencyclidine, Post-mortem, Human **133**, 113

Toxicology; Forensic science, Autopsy, Cyamemazine, Death **137**, 13

Toxicology; Formalin-fixed tissues, Embalming, Autopsy, Morphine, Heroin **134**, 36

Toxicology; Tramadol, Overdose, Liver failure, Analgesia **134**, 232

TP53; Species identification, Forensic, Mitochondrial DNA, Ribosomal RNA, β-Actin **134**, 99

Trace analysis; Gas chromatography, Electron capture detection, High explosives, Post-blast residues **137**, 6

Trace evidence; Fibers, Significance **135**, 146

Trace evidence; Maxcan system, Tape lifts, Fibre finder system **135**, 137

Traffic accident; Alcohol, Cannabis, Opiates, Cocaine, Amphetamines, Benzodiazepines, Driving, Drug of abuse, Accidents **133**, 79

Tramadol analysis; Forensic toxicology, Hair, Drug of abuse, Jordan **135**, 129

Tramadol; Intoxication, Fatality, Benzodiazepine, Cytochrome P450 **134**, 57

Tramadol; Overdose, Liver failure, Toxicology, Analgesia **134**, 232

Tramadol; SNP analysis, *CYP2D6* gene, Pharmacogenetics **135**, 9

Trauma in pregnancy; Amniotic fluid embolism, Motor vehicle accident, Safety restraints, Mast cells, Tryptase, Forensic autopsy **137**, 231

Trauma scoring; Forensic medicine, Turkish injury scale, AIS, Comparison **132**, 1

Trauma; Mast cells, Tryptase, Post-mortem, Hemolysis **131**, 8

Trauma; Torture, Refugees, Forensic medicine, PTSD **137**, 133

Triacetone triperoxide (TATP); Raman, NMR, Ion mobility spectrometry (IMS) **135**, 53

Trichloroethylene; Fatal acute intoxication, Inhalation, Headspace, Mass spectrometry **134**, 115

Tryptase; Amniotic fluid embolism, Motor vehicle accident, Safety restraints, Trauma in pregnancy, Mast cells, Forensic autopsy **137**, 231

Tryptase; Trauma, Mast cells, Post-mortem, Hemolysis **131**, 8

Tunisian population; Y-Plex™6, Y-Plex™5, STR **135**, 247

Tunnel fire; Mass fatality, Identification, Carbon monoxide, DNA **138**, 1

Turkey; Questioned documents, Handwriting, Alcohol **132**, 201

Turkey; Short tandem repeat (STR), Population data, Forensics, PowerPlex® 16, Van–Ağrı districts, Eastern Anatolia region **135**, 60

Turkey; Y chromosome, Short tandem repeats, Haplotype, Caucasus, Iran **137**, 85

Turkish injury scale; Trauma scoring, Forensic medicine, AIS, Comparison **132**, 1

Turks; Odontometrics, Identification, Discriminant function analysis, Bucco-lingual dimension, Sexual dimorphism **137**, 160

Turks; Stature estimation, Dismember lower extremity, Anthropometry, Regression analysis, Mass disaster **132**, 40

Unevaporated automotive samples; Chemical fingerprinting, Liquid gasoline, GC–MS, PCA **134**, 1

Unexpected death; Meckel's diverticulum, Mesodiverticular band, Intestinal obstruction **138**, 114

Universal primers; Faecal material, Wildlife identification, Forensics **137**, 16

Unnatural death; Fatal poisoning, Forensic medicine, Poisonous agents, Post-mortem examinations **133**, 125

Urine excretion; Cannabinoids, Chronic use, Screening, Confirmation **133**, 26; **137**, 196

Urine sample; Flunitrazepam, Violence, Anterograde amnesia, Forensic analyses, Forensic psychiatry **137**, 21

Urine/blood ratio; Alcohol, Alcoholism, Autopsy, Blood–ethanol, Death, Urine **135**, 206

Urine; Alcohol, Alcoholism, Autopsy, Blood–ethanol, Death, Urine/blood ratio **135**, 206

Urine; Analysis, Ethanol, Ethyl glucuronide, Creatinine, Drunk drivers **133**, 86

Urine; Environmental contamination, Sweat, Cocaine **133**, 63

Urine; GHB, Chemical submission, Driving under the influence, Post-mortem material, Blood **133**, 17

Validation study; Allele sharing, Profiler Plus™, Population structure **131**, 85

Validation; D8S1179, Primer binding site mutation, AmpFℓSTR®, Multiplex, PCR, STR **133**, 220

Van–Ağrı districts; Short tandem repeat (STR), Population data, Forensics, PowerPlex® 16, Eastern Anatolia region, Turkey **135**, 60

Variability; Breath alcohol, Confidence intervals, Fit-for-purpose, Limit-of-detection, Limit-of-quantitation **131**, 30

Variant alleles; HumD21S11, Sub-population data, Population genetics, STR profiling, Forensic science **135**, 35

Vasculitis; Actinomycosis, Meningitis, Subarachnoid hemorrhage, Sudden death **134**, 169

Venezuela; STR, Population data, AmpFℓST® Identifiler™, ABI **136**, 99

Verapamil; Metoprolol, Digoxin, Poisoning, Drug interaction **133**, 107

Veterinary; Suicide, Barbiturates, Pentobarbital, Euthanasia **131**, 103

Victim; Female, Violence, Motive, Personality disorder **133**, 197

Violence; Female, Victim, Motive, Personality disorder **133**, 197

Violence; Flunitrazepam, Anterograde amnesia, Forensic analyses, Forensic psychiatry, Urine sample **137**, 21

Virtopsy; Forensic radiology, Computed tomography, Digital autopsy, Virtual autopsy, Decomposed body **134**, 109

Virtopsy; Forensic science, Image-guided virtual autopsy, Digital autopsy, Gunshot, Forensic, Postmortem, Multi-slice computed tomography, Magnetic resonance imaging **138**, 8

Virtopsy; Optical 3D surface digitizing, 3D/CAD scanner, Forensic, Wound documentation, Reconstruction, Analysis, Virtual autopsy **137**, 203

Virtual autopsy; Forensic radiology, Computed tomography, Digital autopsy, Virtopsy, Decomposed body **134**, 109

Virtual autopsy; Optical 3D surface digitizing, 3D/CAD scanner, Forensic, Wound documentation, Reconstruction, Analysis, Virtopsy **137**, 203

Vis spectrophotometry; Forensic chemistry, Forensic document examination, Principal component analysis, Discriminant analysis, Blue ball-point pen ink **138**, 75

Vitreous humour; Alcoholism, Carbohydrate-deficient transferrin **137**, 119

Whole blood; Drugs of abuse, EMIT, Immunoassays, Screening **131**, 148

Wildlife identification; Faecal material, Universal primers, Forensics **137**, 16

Wildlife trade; Tiger specific primer, Single hair, Forensic test **131**, 75

Withdrawal syndrome; Opiates, Cocaine, Cannabinoids, Methadone, Drugs **133**, 57

Workplace drug testing; Heroin, 6-Acetylmorphine, Morphine, Codeine, Oral fluid, Prevalence, Alternate matrices **133**, 22

Wound age; Fibronectin, MRP8, MRP14, Defensin **131**, 156

Wound age; Immunohistochemistry, Fatal neck trauma **135**, 218

Wound ballistic parameters; Contact wound, Gelatine block **133**, 183

Wound documentation; Forensic science, Patterned injuries, 3D/CAD, 3D graphic model, Photogrammetry, Wound morphology **132**, 130

Wound documentation; Optical 3D surface digitizing, 3D/CAD scanner, Forensic, Reconstruction, Analysis, Virtual autopsy, Virtopsy **137**, 203

Wound morphology; Forensic science, Patterned injuries, 3D/CAD, 3D graphic model, Photogrammetry, Wound documentation **132**, 130

X-chromosome; Short tandem repeats, Population data **136**, 73

X-chromosome; STR markers, Population data, Deficiency cases **137**, 215

Xenobiotics; Biological fluids, ^{1}H NMR spectroscopy, Poisoning **133**, 132

Xylazine; Forensic science, Driving, Impairment **134**, 25

Y chromosome; Forensic science, Short tandem repeats, Han ethnic group, Chinese **138**, 123

Y chromosome; Short tandem repeats (STR), Haplotypes, Croatia **138**, 127

Y chromosome; Short tandem repeats, Haplotype, Caucasus, Turkey, Iran **137**, 85

Y chromosome; Short tandem repeats, Haplotype, Inuit, Danes **132**, 228

Y chromosome; Single nucleotide polymorphism, Multiplex PCR, Minisequencing, Genotyping **137**, 74

Y chromosome; STR, Population data, Açores Islands **135**, 239

Y-chromosome STRs; GATA C4, DYS438, DYS438, DYS439, GATA H4, GATA A10, DYS461, Colombian population **135**, 243

Y-chromosome STRs; PCR multiplex, Forensic genetics, Population genetics **134**, 29

Y-chromosome STRs; PCR multiplex, GEP-ISFG **135**, 158

Y-chromosome; DYS464, Short tandem repeat, Y-STR, Minimal haplotype, Population study, Mutation rate, Forensics **137**, 221

Y-chromosome; Haplotypes, Insertion polymorphism, North Poland **131**, 209

Y-chromosome; Short tandem repeat, Forensic genetics, Population genetics, Argentina **137**, 217

Y-chromosome; STR, Population data **131**, 220

Y-GATA-A7.1 (DYS460); Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

Y-GATA-A7.2 (DYS461); Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-H4 **136**, 58

Y-GATA-C4; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461), Y-GATA-H4 **136**, 58

Y-GATA-H4; Multiplex Y-STR analysis, Post-coital cervicovaginal samples, Rape evidence, DYS19, DYS385, DYS388, DYS389, DYS390, DYS391, DYS392, DYS393, DYS425, DYS434, DYS437, DYS438, DYS439, Y-GATA-C4, Y-GATA-A7.1 (DYS460), Y-GATA-A7.2 (DYS461) **136**, 58

Young; Death, Sudden, Sudden unexplained death, Pathology, Epidemiology, Childhood **135**, 213

Y-Plex^{TM}5; Y-Plex^{TM}6, STR, Tunisian population **135**, 247

Y-Plex^{TM}6; Y-Plex^{TM}5, STR, Tunisian population **135**, 247

Y-STR haplotypes; Europe, Haplotype frequency distributions **134**, 172

Y-STR haplotypes; Population genetics, GEP-ISFG **135**, 150

Y-STR; DYS434, DYS435, DYS436, DYS437, DYS438, DYS439, Gene diversity, Haplotype, Koreans **136**, 89

Y-STR; Y-chromosome, DYS464, Short tandem repeat, Minimal haplotype, Population study, Mutation rate, Forensics **137**, 221

Y-STRs; Mozambique, Population studies, Haplotype diversity, Forensics **134**, 126

Zaleplon; Suicide, Fatality, Forensic science, Drug overdose **134**, 120